

2020 NARST Annual International Conference
 Portland Marriott Downtown Waterfront
 Portland, Oregon
 March 15-18, 2020
Schedule at-a-Glance

v.4

DATE AND TIME	EVENT	ROOM
	SATURDAY, MARCH 14, 2020	
8:00 AM – 5:00 PM	NARST Executive Board Meeting #1	Meadow Lark – 3 rd Floor
2:00 PM – 5:00 PM	Conference Registration	Ballroom Foyer – Lower Level
	SUNDAY, MARCH 15, 2020	
7:30 AM – 4:30 PM	Conference Registration	Ballroom Foyer – Lower Level
8:00 AM – 11:45 AM	NARST Executive Board Meeting #1 (continued)	Meadow Lark – 3 rd Floor
8:00 AM – 11:45 AM	Pre-Conference Workshops NOTE: You must register for Pre-Conference Workshops with you advance conference registration. You may only register for one Workshop.	
8:00 AM – 11:45 AM	Pre-Conference Workshop #1: Early Career Faculty Forum	Salon I – Lower Level
8:00 AM – 11:45 AM	Pre-Conference Workshop #2: Next Generation Labs for Next Generation Science Standards: Mobile Sensing as an Example Max attendance: 30	Salon A – Lower Level
8:00 AM – 11:45 AM	Pre-Conference Workshop #3: Writing in Community	Salon B – Lower Level
8:00 AM – 11:45 AM	Pre-Conference Workshop #4: How to Access Learners’ Connections Across Nature of Science Aspects: Using Card Sorts and Epistemic Network Analysis Maximum attendance: 50	Salon D – Lower Level
8:00 AM – 11:45 AM	Pre-Conference Workshop #5: To be announced	To be announced
8:00 AM – 11:45 AM	Pre-Conference Workshop #6: An Observation Protocol for Integrated STEM Instruction in K-12 Science and Engineering Classes Max attendance: 30	Salon G – Lower Level
8:00 AM – 11:45 AM	Pre-Conference Workshop #7: Clarifying the Role(s) of the Crosscutting Concepts in Science and Engineering Learning Max attendance: 50	Salon H – Lower Level
11:45 AM – 1:00 PM	Lunch	On your own
1:00 PM – 2:15 PM	Conference Welcome & Plenary Session	Salon E & F – Lower Level
	Speaker Dr. Yossi Leshem Tel Aviv University	

**2020 NARST Annual International Conference
Portland Marriott Downtown Waterfront
Portland, Oregon
March 15-18, 2020**

Schedule at-a-Glance

v.4

	Title	To be announced	
2:15 PM – 2:40 PM	Networking Break		
2:40 PM – 4:10 PM	Concurrent Session #1		Concurrent Session Rooms
4:20 PM – 5:50 PM	Concurrent Session #2		Concurrent Session Rooms
6:00 PM – 7:00 PM	Mentor/Mentee Nexus		Salon D – Lower Level
6:00 PM – 7:00 PM	Research Interest Group (RIG) Meetings		
	Continental and Diasporic Africa in Science Education (CADASE) RIG		Salon I – Lower Level
	Contemporary Methods for Science Education Research RIG		Salon H – Lower Level
7:00 PM – 9:30 PM	Award Ceremony and Presidential Reception Light appetizers will be served. Cash bar.		Salon E & F / Exhibit Hall
	<u>Monday, March 16, 2020</u>		
6:00 AM – 7:15 AM	Mind and Sole (Off-site) This event is not sponsored or endorsed by NARST		
8:00 AM – 4:30 PM	Conference Registration		Ballroom Foyer – Lower Level
8:30 AM – 10:00 AM	Concurrent Session #3		Concurrent Session Rooms
10:15 AM – 11:45 AM	Concurrent Session #4		Concurrent Session Rooms
12:00 PM – 1:00 PM	NARST Annual Membership Meeting		Salon J – Lower Level
12:00 PM – 1:00 PM	Lunch		On your own
1:15 PM – 2:45 PM	Concurrent Session #5		Concurrent Session Rooms
2:45 PM – 3:15 PM	Networking Break		
3:15 PM – 4:15 PM	Concurrent Session #6A: Round Table		Exhibit Hall
4:15 PM – 5:15 PM	Concurrent Session #6B: Poster Session		Exhibit Hall
5:30 PM – 7:00 PM	Graduate Student Forum		Salon F – Lower Level
6:00 PM – 8:30 PM	JRST Editorial Team Meeting/Dinner Sponsored by Wiley-Blackwell (by invitation only)		Portland – Lower Level
6:00 PM – 8:00 PM	Other Journal Meetings		TBD
6:00 PM – 7:30 PM	Research Interest Group (RIG) Meetings		
	Latino/a RIG		Salon B – Lower Level
	Engineering Education RIG		Salon C – Lower Level
	Indigenous Science Knowledge (ISK) RIG		Salon H – Lower Level

Preliminary schedule. Titles, times, and rooms subject to change.

2020 NARST Annual International Conference
Portland Marriott Downtown Waterfront
Portland, Oregon
March 15-18, 2020
Schedule at-a-Glance

v.4

<u>TUESDAY, MARCH 17, 2020</u>		
7:30 AM – 4:30 PM	Registration	Ballroom Foyer – Lower Level
8:00 AM – 9:30 AM	Concurrent Session #7	Concurrent Session Rooms
9:30 AM – 9:45 AM	Networking Break	
9:45 AM – 11:15 AM	Concurrent Session #8	Concurrent Session Rooms
11:15 AM – 12:30 PM	Lunch	On Your Own
11:15 AM – 12:30 PM	Committee Meetings	Concurrent Session Rooms
12:30 PM – 1:30 PM	Plenary Session #2 – Philip Bell, University of Washington	Salon E & F – Lower Level
1:45 PM – 3:15 PM	Concurrent Session #9	Concurrent Session Rooms
3:15 PM – 3:30 PM	Networking Break	
3:30 PM – 5:00 PM	Concurrent Session #10	Concurrent Session Rooms
5:15 PM – 6:15 PM	Strand Meetings	Concurrent Session Rooms - TBD
6:30 PM – 9:30 PM	Equity & Ethics Dinner Boarding is at 6:30 PM (Maximum attendance: 75) Dinner, including tax and gratuity, is \$58. Please note: You must register for this event with your Advance Conference Registration. Tickets purchased for this event are not refundable. NOTE: The Spirit of Portland departs from the Salmon Springs Dock, approximately three blocks from the hotel. Transportation services will not be provided.	Off-site: Spirit of Portland Dinner Cruise—Salmon Street Springs Dock
<u>WEDNESDAY, MARCH 18, 2020</u>		
8:00 AM – 11:00 AM	Registration	Ballroom Foyer – Lower Level
8:30 AM – 10:00 AM	Concurrent Session #11	Concurrent Session Rooms
10:00 AM – 10:30 AM	Networking Break	
10:30 AM – 12:00 PM	Concurrent Session #12	Concurrent Session Room
12:00 PM – 1:30 PM	Lunch	On Your Own
1:00 PM – 2:30 PM	Concurrent Session #13	Concurrent Session Room
4:00 PM – 9:00 PM	NARST Board Meeting #2	Pearl – 2 nd Floor

NARST 2020 Participant Schedule

The following lists each of the authors whose presentations were assigned to a Stand-Alone Paper Set, a Related Paper Set, a Strand- or Committee-sponsored Session, or a Symposium. Poster and Roundtable Discussion presentations are not included. Next to your name you will find the titles, dates, and times of the groups to which your presentations are assigned. Every effort has been made to minimize schedule conflicts for all authors, and no further changes to the schedule can be made. If you find that you are scheduled to present in two groups that will take place in the same Concurrent Session, please contact the Strand Coordinators. They can rearrange the order of presentations to allow you to present in both groups.

Name	Your Scheduled Sessions
A. Lynn Stephens	ST2:RP-Characterizing computational thinking in the context of technology-enhanced multilevel system modeling - 03/16/2020 10:15am to 11:45am,ST12:RP-Technology-Enhanced Framing of Data to Facilitate Classroom Enactment of Science Practices - 03/17/2020 01:45pm to 03:15pm
Aaron Price	ST6:S-Measuring the long-term effects of informal education experiences: An interactive research symposium - 03/18/2020 10:30am to 12:00pm
Abdirizak M. Warfa	ST5:SC-Papers-Postsecondary educators' perceptions, planning, and practices - 03/15/2020 04:20pm to 05:50pm,ST15:SC-Papers-Examining Models of Change in STEM Education - 03/16/2020 01:15pm to 02:45pm,ST5:SC-Papers-Contemporary instructional approaches in postsecondary STEM - 03/17/2020 01:45pm to 03:15pm
Abeer M. Watted	ST5:SC-Papers-Tools and frameworks to measure students' success and struggles - 03/17/2020 01:45pm to 03:15pm
Abeera P. Rehmat	ST10:SC-Papers-Assessing scientific concepts across disciplines - 03/17/2020 03:30pm to 05:00pm, ST10:SC-Papers-Novel Approaches to Science Assessment - 03/15/2020 04:20pm to 05:50pm
Abigail I Green	ST5:SC-Papers-Engaging students' interdisciplinary connections - 03/18/2020 10:30am to 12:00pm
Abraham Lo	ST4:SC-Papers-Dialogic instruction and sense-making of science concepts - 03/17/2020 08:00am to 09:30am
Adam AlZayer	ST7:SC-Papers-Preservice Teacher Journaling and Reflection - 03/18/2020 08:30am to 10:00am
Adam Bennion	ST7:SC-Papers-Retaining Preservice Physics Teachers - 03/16/2020 08:30am to 10:00am
Adam Devitt	ST8:SC-Papers-Professional Development using Computational Thinking and Robotics - 03/17/2020 08:00am to 09:30am
Adam V. Maltese	ST2:SC-Papers-Moves in Teaching & Discourse - 03/16/2020 01:15pm to 02:45pm,ST10:SC-Papers-Attitudes, Beliefs, Motivation, and Identity in Science Learning - 03/17/2020 01:45pm to 03:15pm,ST2:SC-Papers-Teacher Perspectives, Contexts, Networks, & Roles - 03/17/2020 09:45am to 11:15am,ST6:S-Measuring the long-term effects of informal education experiences: An interactive research symposium - 03/18/2020 10:30am to 12:00pm
Adiv Gal	ST2:SC-Papers-Complexity, Cognition, & the Human Experience - 03/18/2020 10:30am to 12:00pm
Aerin W. Benavides	ST11:RP-Learning from Minoritized Youths' Experiences and Promoting Equitable Science Teaching through Research-Practice Partnership - 03/16/2020 01:15pm to 02:45pm,ST6:RP-Examining Under-represented Young Women's STEM Identities - 03/17/2020 09:45am to 11:15am
Aet Möllits	ST2:SC-Papers-Students & STEM Careers - 03/18/2020 01:00pm to 02:30pm
Ahmad Khanlari	ST2:SC-Papers-Students & STEM Careers - 03/18/2020 01:00pm to 02:30pm
Ainat Guberman	ST1:SC-Papers-Student Understandings about Energy and Light - 03/17/2020 01:45pm to 03:15pm
AJ Richards	ST7:SC-Papers-Retaining Preservice Physics Teachers - 03/16/2020 08:30am to 10:00am
Akeem Akintoye	ST11:SC-Papers-Embracing Indigenous Knowledge of the African Diaspora and Tribal Communities - 03/18/2020 01:00pm to 02:30pm
Akira Harper	ST11:-Storied-Identities as a Lens to Studying Science Identity - 03/16/2020 01:15pm to 02:45pm,ST11:RP-Spaces of Agency: Centering teacher agency and expanding contexts for equitable science teaching and learning - 03/16/2020 10:15am to 11:45am,ST6:RP-Examining Under-represented Young Women's STEM Identities - 03/17/2020 09:45am to 11:15am
Ala Samarapungavan	ST3:SC-Papers-Early Childhood Scientific Thinking - 03/18/2020 08:30am to 10:00am
Alain Paquette	ST14:SC-Papers-Place-based and community-based education - 03/16/2020 08:30am to 10:00am
Alaina Pearl Glidden	ST3:SC-Papers-Early Childhood Scientific Thinking - 03/18/2020 08:30am to 10:00am
Alan R. Berkowitz	ST2:SC-Papers-The Chemistry Learning Environment - 03/15/2020 02:40pm to 04:10pm,ST1:SC-Papers-Supporting Understanding with Mathematics and Computational Thinking - 03/16/2020 08:30am to 10:00am
Alberto J Rodríguez	ST16:AS-International Perspectives on Science Education in Multicultural and Multilingual Contexts - 03/17/2020 01:45pm to 03:15pm
Alejandra J. Magana	ST7:SC-Papers-Making Instructional Decisions: Assessment and edTPA - 03/17/2020 09:45am to 11:15am
Alex Gerber	ST3:SC-Papers-Teacher instructional practices for equity in the NGSS - 03/18/2020 01:00pm to 02:30pm
Alexander Brandis	ST2:SC-Papers-Motivation & Self-Efficacy - 03/16/2020 10:15am to 11:45am

Alexandra Alexander	ST3:SC-Papers-Teacher knowledge, beliefs, & use of science practices with students - 03/15/2020 02:40pm to 04:10pm
Alexandra I. Race	ST7:SC-Papers-Practice-based Science Teaching - 03/17/2020 03:30pm to 05:00pm
Alexandra T. Gillis	ST14:SC-Papers-Environmental Education - learner's perspective - 03/15/2020 04:20pm to 05:50pm
Alexandre Soares Cavalcante	ST11:RP-Exploring Science Identities through the lenses of Possible Selves - 03/16/2020 08:30am to 10:00am
Alexandria Brasili	ST14:SC-Papers-Place-based and community-based education - 03/16/2020 08:30am to 10:00am
Alexandria K. Hansen	ST7:SC-Papers-Accessing Funds of Knowledge to Enhance Instruction - 03/15/2020 04:20pm to 05:50pm,ST8:SC-Papers-Meeting the Content Needs of STEM Educators - 03/16/2020 10:15am to 11:45am
Alexandria Muller	ST6:SC-Papers-Educating informal science educators - 03/15/2020 04:20pm to 05:50pm,ST6:SC-Papers-Science learning in museums and zoos - 03/17/2020 03:30pm to 05:00pm
Alexis Riley	ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
Alexis Spina	ST2:SC-Papers-Agency - 03/17/2020 01:45pm to 03:15pm,ST4:SC-Papers-NGSS - Practices and Implementation - 03/17/2020 03:30pm to 05:00pm
Ali Kushki	ST8:SC-Papers-Teacher Identity - 03/16/2020 01:15pm to 02:45pm
Alice Olmstead	ST15:SC-Papers-Understanding and Supporting STEM Education Improvement Efforts Within Schools and Districts - 03/16/2020 10:15am to 11:45am
Alicia C. Alonzo	ST13:SC-Papers-Learning of NOS - 03/15/2020 04:20pm to 05:50pm
Alison Matthews	ST7:SC-Papers-Shifting the Teaching Paradigm - 03/17/2020 08:00am to 09:30am
Alison Mercier	ST11:-Storied-Identities as a Lens to Studying Science Identity - 03/16/2020 01:15pm to 02:45pm,ST16:AS-Sandra Sandra K. Abell Institute for Doctoral Students - 03/17/2020 08:00am to 09:30am,ST14:SC-Papers-Environmental and social responsibility - 03/18/2020 08:30am to 10:00am
Alison R. Miller	ST2:SC-Papers-Modeling and Model-Based Teaching - 03/16/2020 08:30am to 10:00am
Alison Young	ST6:SC-Papers-Science learning in museums and zoos - 03/17/2020 03:30pm to 05:00pm
Allison Antink-Meyer	ST13:SC-Papers-Nature of Engineering - 03/16/2020 10:15am to 11:45am
Allison Bookbinder	ST7:SC-Papers-Shifting the Teaching Paradigm - 03/17/2020 08:00am to 09:30am,ST10:SC-Papers-Investigation of Teacher Knowledge - 03/18/2020 08:30am to 10:00am
Allison Bradford	ST2:RP-Improving Guidance for Classroom Argumentation in Science Inquiry - 03/15/2020 04:20pm to 05:50pm
Allison J. Gonsalves	ST11:-Storied-Identities as a Lens to Studying Science Identity - 03/16/2020 01:15pm to 02:45pm,ST11:RP-Exploring Science Identities through the lenses of Possible Selves - 03/16/2020 08:30am to 10:00am
Ally Hunter	ST5:SC-Papers-Affordances for students' literacy and engagement in postsecondary biology - 03/16/2020 08:30am to 10:00am
Althea Hoard	ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
Amal Ibourk	ST11:-Storied-Identities as a Lens to Studying Science Identity - 03/16/2020 01:15pm to 02:45pm,ST6:RP-Examining Under-represented Young Women's STEM Identities - 03/17/2020 09:45am to 11:15am
Amanda Benedict-Chambers	ST3:RP-Analyses of Elementary Preservice and Inservice Teachers' Use of Crosscutting Concepts in Plans and Enactments - 03/16/2020 08:30am to 10:00am,ST7:SC-Papers-Preservice Teaching Practices - 03/16/2020 10:15am to 11:45am
Amanda M. Gunning	ST7:SC-Papers-Making Instructional Decisions: Assessment and edTPA - 03/17/2020 09:45am to 11:15am
Amanda N. Peel	ST10:RP-Socio-scientific Issue and Model Based Learning (SIMBL): Advances in Research to Inform Practice and Theory - 03/16/2020 10:15am to 11:45am,ST8:SC-Papers-Professional Development using Computational Thinking and Robotics - 03/17/2020 08:00am to 09:30am,ST1:SC-Papers-Understandings about Genetics, Evolution, and Natural Selection - 03/18/2020 10:30am to 12:00pm
Amanda Perez	ST8:SC-Papers-Teacher Learning in the Physical Sciences - 03/18/2020 10:30am to 12:00pm
Amanda Simmons	ST5:SC-Papers-Fostering students' communication and argumentation - 03/16/2020 10:15am to 11:45am
Amber C. Davis	ST11:SC-Papers-Centering Race, Whiteness, and Cultural Responsiveness in Science Education - 03/17/2020 09:45am to 11:15am
Amber M. Simpson	ST2:SC-Papers-Teacher Perspectives, Contexts, Networks, & Roles - 03/17/2020 09:45am to 11:15am
Amelia A. Brown	ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
Amelia Lanier Knarr	ST3:SC-Papers-Supporting elementary & early childhood STEM learning - 03/15/2020 04:20pm to 05:50pm
Amir Mitchell	ST1:RP-Learning and Teaching Evolution in High School: Challenges and Possible Remedies - 03/15/2020 02:40pm to 04:10pm
Amira Spikes	ST14:SC-Papers-Citizen engagement: Between attitudes and behavior - 03/18/2020 01:00pm to 02:30pm
Amity F. Gann	ST7:SC-Papers-Making Instructional Decisions: Assessment and edTPA - 03/17/2020 09:45am to 11:15am,ST7:SC-Papers-Shifting the Teaching Paradigm - 03/17/2020 08:00am to 09:30am
Amy M. Kamarainen	ST12:RP-Beyond the novelty effect – examining learning affordances of XR educational technologies - 03/17/2020 08:00am to 09:30am

Amy R Semerjian	ST12:SC-Papers-New Methods of Measurement and Analysis to Move the Field Forward - 03/18/2020 08:30am to 10:00am
Amy R. Pallant	ST10:RP-Automated Assessment of Argumentation in School Science: Developments and Challenges - 03/15/2020 02:40pm to 04:10pm
Amy R. Semerjian	ST2:SC-Papers-Motivating Youth Engagement - 03/18/2020 08:30am to 10:00am
Amy Tankersley	ST4:RP-Critical Factors for Effective and Equitable NGSS Science Teaching Practices - 03/16/2020 10:15am to 11:45am
Amy V. Farris	ST7:SC-Papers-Preservice Teachers Perceptions of Engineering - 03/18/2020 10:30am to 12:00pm
Amy Weimer	ST2:SC-Papers-Language & Learning Science - 03/15/2020 02:40pm to 04:10pm
Ana Carolina Steola	ST6:SC-Papers-Science learning in museums and zoos - 03/17/2020 03:30pm to 05:00pm
Ana Cláudia C. Kasseboehmer	ST6:SC-Papers-Science learning in museums and zoos - 03/17/2020 03:30pm to 05:00pm
Ana Valdmann	ST9:SC-Papers-Teacher Efficacy, Ownership, and Practice - 03/18/2020 08:30am to 10:00am
Anahi Martinez	ST8:SC-Papers-Meeting the Content Needs of STEM Educators - 03/16/2020 10:15am to 11:45am
Anat Abramovich	ST7:SC-Papers-Informal Science Education and Socioscientific Issues - 03/17/2020 08:00am to 09:30am
Anat Yarden	ST1:RP-Learning and Teaching Evolution in High School: Challenges and Possible Remedies - 03/15/2020 02:40pm to 04:10pm,ST1:RP-Recent Trends in Genetics Education Research - 03/15/2020 04:20pm to 05:50pm,ST8:SC-Papers-Context in Professional Development - 03/16/2020 08:30am to 10:00am
André E DeLeón	ST16:AS-Research Practice Partnerships: Collaborations toward equitable STEM education research, reform, and implementation - 03/16/2020 08:30am to 10:00am
Andrea Ash	ST8:SC-Papers-Argumentation in STEM Education - 03/17/2020 09:45am to 11:15am
Andrea Beach	ST15:SC-Papers-Understanding and Supporting STEM Education Improvement Efforts Within Schools and Districts - 03/16/2020 10:15am to 11:45am
Andrea Moeller	ST10:SC-Papers-Analyzing Real-world Data - 03/17/2020 09:45am to 11:15am
Andrea Phillips	ST3:SC-Papers-Teacher instructional practices for equity in the NGSS - 03/18/2020 01:00pm to 02:30pm
Andreas Mueller	ST1:RP-Recent Trends in Genetics Education Research - 03/15/2020 04:20pm to 05:50pm
Andreas Nehring	ST10:SC-Papers-Analyzing Real-world Data - 03/17/2020 09:45am to 11:15am
Andrew B. Gilbert	ST7:SC-Papers-Preservice Teacher Journaling and Reflection - 03/18/2020 08:30am to 10:00am
Andrew Boudreaux	ST10:SC-Papers-Assessing scientific concepts across disciplines - 03/17/2020 03:30pm to 05:00pm
Andrew Duffy	ST5:SC-Papers-Using representations to learn science - 03/18/2020 08:30am to 10:00am
Andrew Finnegan	ST3:SC-Papers-Teacher knowledge, beliefs, & use of science practices with students - 03/15/2020 02:40pm to 04:10pm
Andrew Olewnik	ST5:SC-Papers-Fostering students' communication and argumentation - 03/16/2020 10:15am to 11:45am
Andy Cavaghetto	ST5:SC-Papers-Affordances for students' literacy and engagement in postsecondary biology - 03/16/2020 08:30am to 10:00am,ST5:SC-Papers-Fostering students' communication and argumentation - 03/16/2020 10:15am to 11:45am,ST2:SC-Papers-Argumentation & Sense-Making - 03/17/2020 03:30pm to 05:00pm,ST8:RP-Looking Beyond Routines to Study How Teachers Develop Adaptive Expertise with Epistemic Tools - 03/17/2020 09:45am to 11:15am
Angela Calabrese Barton	ST11:SC-Papers- Partnerships and STEM Learning Experiences Across (In)formal Contexts - 03/17/2020 08:00am to 09:30am,ST6:RP-Examining Under-represented Young Women's STEM Identities - 03/17/2020 09:45am to 11:15am,ST11:RP-Learning from Minoritized Youths' Experiences and Promoting Equitable Science Teaching through Research-Practice Partnership - 03/16/2020 01:15pm to 02:45pm
Angela Chapman	ST2:SC-Papers-Language & Learning Science - 03/15/2020 02:40pm to 04:10pm
Angela D. Box	ST8:SC-Papers-Assessment to Support NGSS Implementation - 03/15/2020 02:40pm to 04:10pm
Angela Fitzgerald	ST7:SC-Papers-Retaining Preservice Physics Teachers - 03/16/2020 08:30am to 10:00am,ST16:AS-How to Get Your Research Published in Science Education Journals PAC Symposium - 03/17/2020 08:00am to 09:30am,ST6:SC-Papers-Learning science in informal science clubs and camps - 03/17/2020 09:45am to 11:15am,ST6:SC-Papers-Science learning through non-traditional ISL experiences - 03/18/2020 08:30am to 10:00am
Angela Google	ST16:AS-Sandra Sandra K. Abell Institute for Doctoral Students - 03/17/2020 08:00am to 09:30am,ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
Angela Johnson	ST11:SC-Papers-Reconceptualizing the Pathways and Experiences of Women of Color in STEM - 03/16/2020 01:15pm to 02:45pm
Angela M. Kelly	ST8:SC-Papers-Engineering Practices to Support NGSS - 03/15/2020 04:20pm to 05:50pm,ST11:SC-Papers-Persistence & Retention Strategies for Underrepresented Populations in STEM - 03/16/2020 08:30am to 10:00am,ST11:SC-Papers-Promoting Inclusion in Culturally and Linguistically Diverse Science Classrooms - 03/16/2020 10:15am to 11:45am,ST5:SC-Papers-Contemporary instructional approaches in postsecondary STEM - 03/17/2020 01:45pm to 03:15pm,ST8:SC-Papers-Student Achievement - 03/17/2020 03:30pm to 05:00pm

Angela Skeeles-Worley	ST6:S-Measuring the long-term effects of informal education experiences: An interactive research symposium - 03/18/2020 10:30am to 12:00pm
Anica Miller-Rushing	ST14:SC-Papers-Environmental Education - educator's perspective - 03/15/2020 02:40pm to 04:10pm,ST16:AS-Sandra Sandra K. Abell Institute for Doctoral Students - 03/17/2020 08:00am to 09:30am,ST1:SC-Papers-Understanding of Climate and Natural Systems - 03/18/2020 08:30am to 10:00am
Anita Husenius	ST11:SC-Papers-Exploring Feminism and Materialism in Science Education - 03/18/2020 08:30am to 10:00am
Anita Schuchardt	ST5:SC-Papers-Frameworks of TA learning and development as educators - 03/15/2020 02:40pm to 04:10pm,ST13:SC-Papers-Nature of Scientific Practices - 03/16/2020 08:30am to 10:00am,ST5:RP-The Impact of Chemistry Education Research on Theory Development, Classroom Improvements, and Pre-Service Teacher Training - 03/17/2020 08:00am to 09:30am
Anja Schiepe-Tiska	ST4:SC-Papers-Inquiry-based instruction and explorative science practices - 03/18/2020 10:30am to 12:00pm
Ann Cleveland	ST5:SC-Papers-Postsecondary educators' perceptions, planning, and practices - 03/15/2020 04:20pm to 05:50pm
Ann House	ST15:SC-Papers-Examining Models of Change in STEM Education - 03/16/2020 01:15pm to 02:45pm
Ann Varnedoe	ST11:SC-Papers-Counterspaces and Critical Considerations in University Settings - 03/18/2020 10:30am to 12:00pm
Anna Bahnson	ST16:AS-Indigenous Knowledge RIG - 03/17/2020 09:45am to 11:15am
Anna Beniermann	ST10:SC-Papers-Attitudes, Beliefs, Motivation, and Identity in Science Learning - 03/17/2020 01:45pm to 03:15pm
Anna C. MacPherson	ST10:SC-Papers-Dynamic Relationships between Practices and Knowledge in Science Assessment - 03/18/2020 10:30am to 12:00pm
Anna G. Schneider	ST8:SC-Papers-Professional Development using Computational Thinking and Robotics - 03/17/2020 08:00am to 09:30am
Anna Grinath	ST16:AS-Sandra Sandra K. Abell Institute for Doctoral Students - 03/17/2020 08:00am to 09:30am,ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
Anna M. Phillips	ST2:S-Epistemic aspects of engagement in novel contexts of learning physics - 03/17/2020 08:00am to 09:30am
Anna Maria Arias	ST13:SC-Papers-Nature of Engineering - 03/16/2020 10:15am to 11:45am,ST3:RP-Analyses of Elementary Preservice and Inservice Teachers' Use of Crosscutting Concepts in Plans and Enactments - 03/16/2020 08:30am to 10:00am,ST3:SC-Papers-Teacher instructional practices for equity in the NGSS - 03/18/2020 01:00pm to 02:30pm
Anna S. Grinath	ST5:SC-Papers-Frameworks of TA learning and development as educators - 03/15/2020 02:40pm to 04:10pm,ST5:SC-Papers-Faculty positioning and partnerships to support teaching - 03/18/2020 01:00pm to 02:30pm
Anna T. Danielsson	ST11:-Storyed-Identities as a Lens to Studying Science Identity - 03/16/2020 01:15pm to 02:45pm
AnnaMarie Conner	ST8:SC-Papers-Professional Development using Computational Thinking and Robotics - 03/17/2020 08:00am to 09:30am
Anne E. Emerson Leak	ST16:AS-Impacting Practice through Science Education Research: Communicating Within and Across Places, Contexts, and Communities - 03/17/2020 03:30pm to 05:00pm
Anne Karabon	ST3:SC-Papers-Supporting elementary & early childhood STEM learning - 03/15/2020 04:20pm to 05:50pm
Anne Laius	ST10:SC-Papers-Dynamic Relationships between Practices and Knowledge in Science Assessment - 03/18/2020 10:30am to 12:00pm
Anne McAlister	ST3:SC-Papers-Supporting elementary & early childhood STEM learning - 03/15/2020 04:20pm to 05:50pm,ST3:SC-Papers-Teacher instructional practices for equity in the NGSS - 03/18/2020 01:00pm to 02:30pm
Anne U Gold	ST6:SC-Papers-Science learning through non-traditional ISL experiences - 03/18/2020 08:30am to 10:00am
Annie E. Miller	ST6:SC-Papers-Science learning in museums and zoos - 03/17/2020 03:30pm to 05:00pm
Annie Wildes	ST2:SC-Papers-Students & STEM Careers - 03/18/2020 01:00pm to 02:30pm
Anthony Bailey	ST2:SC-Papers-Language & Learning Science - 03/15/2020 02:40pm to 04:10pm
Anthony Sparks	ST4:SC-Papers-Teacher knowledge and implementation - 03/15/2020 04:20pm to 05:50pm
Anton Puvirajah	ST6:AS-Igniting Informal Science - 03/15/2020 02:40pm to 04:10pm,ST9:SC-Papers-Teachers' Beliefs and Identity in Their Reflective Practices - 03/18/2020 01:00pm to 02:30pm
Anxela Bugallo-Rodriguez	ST3:SC-Papers-Teacher instructional practices for equity in the NGSS - 03/18/2020 01:00pm to 02:30pm
Anza Mitchell	ST11:SC-Papers-Exploring the Experiences and STEM Identity Development of Black Students and Teachers - 03/15/2020 02:40pm to 04:10pm
Apriel K. Hodari	ST11:SC-Papers-Reconceptualizing the Pathways and Experiences of Women of Color in STEM - 03/16/2020 01:15pm to 02:45pm

April B. Holton	ST10:SC-Papers-Investigation of Teacher Knowledge - 03/18/2020 08:30am to 10:00am
April L. Gardner	ST10:RP-Automated Assessment of Argumentation in School Science: Developments and Challenges - 03/15/2020 02:40pm to 04:10pm,ST8:RP-Scaling an Effective Analysis-of-Practice PD Program in Two High-Needs Districts: Impacts, Successes, and Challenges - 03/17/2020 03:30pm to 05:00pm
April Luehmann	ST11:RP-Spaces of Agency: Centering teacher agency and expanding contexts for equitable science teaching and learning - 03/16/2020 10:15am to 11:45am,ST7:S-Context-Dependent Approaches to Partnering with Mentor Teachers: Supporting Novice Teachers Ambitious Science Teaching - 03/16/2020 08:30am to 10:00am
Ara C Austin	ST5:SC-Papers-Contemporary instructional approaches in postsecondary STEM - 03/17/2020 01:45pm to 03:15pm
Archana Dobaria	ST1:SC-Papers-Understanding of Climate and Natural Systems - 03/18/2020 08:30am to 10:00am
Ardice Hartry	ST6:S-Professional Development Opportunities for Informal STEM Learning Professionals - 03/18/2020 01:00pm to 02:30pm
Arif Rachmatullah	ST13:SC-Papers-NOS and Teachers' Perceptions - 03/16/2020 01:15pm to 02:45pm,ST10:SC-Papers-Analysis and Evaluation of Science Curricula - 03/17/2020 08:00am to 09:30am,ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
Arjen E.J Wals	ST16:AS-Citizen Science - an International and Integrative Look at a Scientific and Educational Method - 03/16/2020 10:15am to 11:45am
Artitaya Jituafua	ST5:SC-Papers-Affordances for students' literacy and engagement in postsecondary biology - 03/16/2020 08:30am to 10:00am
Arzu Tanis Ozcelik	ST4:SC-Papers-Intersecting Earth science and Engineering concept in the classroom - 03/18/2020 08:30am to 10:00am
Ashley Iveland	ST2:SC-Papers-Agency - 03/17/2020 01:45pm to 03:15pm,ST4:SC-Papers-NGSS - Practices and Implementation - 03/17/2020 03:30pm to 05:00pm
Ashley N. Coon	ST7:SC-Papers-Preservice Teacher Recruitment - 03/17/2020 01:45pm to 03:15pm
Ashley N. Harlow	ST5:SC-Papers-Diverse student perceptions, positioning, and retention in STEM - 03/17/2020 03:30pm to 05:00pm
Ashley N. Jackson	ST11:SC-Papers-Commitment to Equity & Social Justice for Girls and Women of Color in STEM - 03/17/2020 01:45pm to 03:15pm
Ashley N. Kookan	ST3:SC-Papers-Teacher knowledge, beliefs, & use of science practices with students - 03/15/2020 02:40pm to 04:10pm
Ashlyn Pierson	ST2:SC-Papers-Language & Learning Science - 03/15/2020 02:40pm to 04:10pm
Ashwin Krishnan Mohan	ST13:SC-Papers-Nature of Scientific Practices - 03/16/2020 08:30am to 10:00am
Asli Sezen-Barrie	ST5:SC-Papers-Postsecondary educators' perceptions, planning, and practices - 03/15/2020 04:20pm to 05:50pm,ST15:SC-Papers-Examining Models of Change in STEM Education - 03/16/2020 01:15pm to 02:45pm,ST1:SC-Papers-Understanding of Climate and Natural Systems - 03/18/2020 08:30am to 10:00am
Atasi Das	ST11:RP-Spaces of Agency: Centering teacher agency and expanding contexts for equitable science teaching and learning - 03/16/2020 10:15am to 11:45am
Audrey Msimanga	ST16:AS-International Perspectives on Science Education in Multicultural and Multilingual Contexts - 03/17/2020 01:45pm to 03:15pm
Aurora Edith Graf	ST10:SC-Papers-Novel Approaches to Science Assessment - 03/15/2020 04:20pm to 05:50pm
Austin R. Cruz	ST7:SC-Papers-Practice-based Science Teaching - 03/17/2020 03:30pm to 05:00pm
Aviv J. Sharon	ST6:SC-Papers-Science learning through non-traditional ISL experiences - 03/18/2020 08:30am to 10:00am
Ayça Fackler	ST16:AS-Methods RIG - 03/17/2020 01:45pm to 03:15pm,ST1:SC-Papers-Modeling - 03/16/2020 01:15pm to 02:45pm,ST16:AS-Graduate Student Research Symposium - 03/17/2020 03:30pm to 05:00pm
Ayelet Baram-Tsabari	ST16:AS-Citizen Science - an International and Integrative Look at a Scientific and Educational Method - 03/16/2020 10:15am to 11:45am,ST6:SC-Papers-Family engagement in informal science experiences - 03/16/2020 08:30am to 10:00am,ST6:SC-Papers-Science learning through non-traditional ISL experiences - 03/18/2020 08:30am to 10:00am
Ayse Ciftci	ST5:SC-Papers-Postsecondary educators' perceptions, planning, and practices - 03/15/2020 04:20pm to 05:50pm
Aysegul Cilekrenkli	ST13:SC-Papers-Teaching of NOS - 03/17/2020 08:00am to 09:30am
Aysegul Oguz Namdar	ST12:SC-Papers-Technology Tools to Support Scientific Thinking - 03/15/2020 02:40pm to 04:10pm
Bahadır Namdar	ST12:SC-Papers-Technology Tools to Support Scientific Thinking - 03/15/2020 02:40pm to 04:10pm,ST8:SC-Papers-Argumentation in STEM Education - 03/17/2020 09:45am to 11:15am
Banu Avsar Erumit	ST7:SC-Papers-Building Preservice Teacher Capacity through Stakeholders - 03/16/2020 10:15am to 11:45am
Barbara A. Crawford	ST8:SC-Papers-Professional Development using Computational Thinking and Robotics - 03/17/2020 08:00am to 09:30am

Bat-Shahar Dorfman	ST1:RP-Learning and Teaching Evolution in High School: Challenges and Possible Remedies - 03/15/2020 02:40pm to 04:10pm,ST8:SC-Papers-Context in Professional Development - 03/16/2020 08:30am to 10:00am
Ben C. Herman	ST13:SC-Papers-Teaching of NOS - 03/17/2020 08:00am to 09:30am,ST13:SC-Papers-SSI and NOS - 03/17/2020 09:45am to 11:15am
Ben Koo	ST10:SC-Papers-Attitudes, Beliefs, Motivation, and Identity in Science Learning - 03/17/2020 01:45pm to 03:15pm
Ben Van Dusen	ST5:SC-Papers-Diverse student perceptions, positioning, and retention in STEM - 03/17/2020 03:30pm to 05:00pm
Benjamin Ewing	ST2:SC-Papers-Teacher Perspectives, Contexts, Networks, & Roles - 03/17/2020 09:45am to 11:15am
Benjamin R. Lowell	ST8:SC-Papers-Professional Development to Support Curriculum Design - 03/15/2020 04:20pm to 05:50pm
Bess Caplan	ST2:SC-Papers-The Chemistry Learning Environment - 03/15/2020 02:40pm to 04:10pm,ST1:SC-Papers-Supporting Understanding with Mathematics and Computational Thinking - 03/16/2020 08:30am to 10:00am
Beth A. Covitt	ST1:SC-Papers-Supporting Understanding with Mathematics and Computational Thinking - 03/16/2020 08:30am to 10:00am, ST4:RP-Teaching for Science Literacy at Scale - 03/16/2020 01:15pm to 02:45pm
Beth Rubin Holland	ST3:RP-The Effects of Children's Media on Preschoolers Language, Understanding, and Perceptions of Science and Engineering - 03/17/2020 03:30pm to 05:00pm
Beth Twiss Houting	ST8:SC-Papers-Teacher Learning in the Biological/Environmental Sciences - 03/18/2020 01:00pm to 02:30pm
Betsy Beckert	ST3:RP-Engaging Young Children in Science and Engineering Practices: Approaches to Research and Design - 03/17/2020 08:00am to 09:30am
Betty Stennett	ST10:RP-Design, Development, and Testing of a Media-Rich Three-dimensional Middle School Science Unit - 03/18/2020 08:30am to 10:00am
Bhaskar Upadhyay	ST11:SC-Papers-Renegotiating Multiculturalism & Multilingualism in Science Education - 03/15/2020 04:20pm to 05:50pm,ST16:AS-Indigenous Knowledge RIG - 03/17/2020 09:45am to 11:15am,ST14:RP-Traditional Ecological Knowledge (TEK): Water Stories, Sustainability, Models, and Evidence - 03/18/2020 10:30am to 12:00pm
Bima Sapkota	ST3:SC-Papers-Early Childhood Scientific Thinking - 03/18/2020 08:30am to 10:00am
Birgit Heyduck	ST1:RP-Learning and Teaching Evolution in High School: Challenges and Possible Remedies - 03/15/2020 02:40pm to 04:10pm
Birgitta Mc Ewen	ST1:RP-Recent Trends in Genetics Education Research - 03/15/2020 04:20pm to 05:50pm
Bitu Akram	ST10:SC-Papers-Analysis and Evaluation of Science Curricula - 03/17/2020 08:00am to 09:30am
Bjørn Friis Johannsen	ST11:SC-Papers-Centering Race, Whiteness, and Cultural Responsiveness in Science Education - 03/17/2020 09:45am to 11:15am
Blake Myers	ST10:SC-Papers-Novel Approaches to Science Assessment - 03/15/2020 04:20pm to 05:50pm
Blake Romaker	ST13:SC-Papers-Teaching of NOS - 03/17/2020 08:00am to 09:30am
Blanca Himes	ST8:SC-Papers-Teacher Learning in the Biological/Environmental Sciences - 03/18/2020 01:00pm to 02:30pm
Bo Zhu	ST7:SC-Papers-Practice-based Science Teaching - 03/17/2020 03:30pm to 05:00pm
Bobby Habig	ST6:SC-Papers-Informal science in afterschool programs - 03/16/2020 01:15pm to 02:45pm
Bonni Gourneau	ST16:AS-Indigenous Knowledge RIG - 03/17/2020 09:45am to 11:15am
Brad Hughes	ST1:SC-Papers-Student Learning - 03/17/2020 09:45am to 11:15am,ST3:SC-Papers-Integration in the Elementary Curriculum - 03/18/2020 10:30am to 12:00pm
Bradley Alif	ST5:SC-Papers-Contemporary instructional approaches in postsecondary STEM - 03/17/2020 01:45pm to 03:15pm
Brae Salazar	ST1:RP-Recent Trends in Genetics Education Research - 03/15/2020 04:20pm to 05:50pm,ST1:SC-Papers-Understandings about Genetics, Evolution, and Natural Selection - 03/18/2020 10:30am to 12:00pm
Brandon Foster	ST5:SC-Papers-Student understandings and perceptions of evolution - 03/17/2020 08:00am to 09:30am
Brandon Holding	ST4:RP-Critical Factors for Effective and Equitable NGSS Science Teaching Practices - 03/16/2020 10:15am to 11:45am
Brandon Ofem	ST8:SC-Papers-Teacher Identity - 03/16/2020 01:15pm to 02:45pm
Brandon Reynante	ST10:SC-Papers-Integration of STEM disciplines - 03/18/2020 01:00pm to 02:30pm,ST11:RP-Creating Space for the Inclusion of Social Justice within Engineering Learning Environments - 03/15/2020 02:40pm to 04:10pm
Brandon VanBibber	ST1:SC-Papers-Student Learning - 03/17/2020 09:45am to 11:15am
Brenda L. Carpenter	ST6:SC-Papers-Educating informal science educators - 03/15/2020 04:20pm to 05:50pm,ST9:SC-Papers-Teacher Efficacy, Ownership, and Practice - 03/18/2020 08:30am to 10:00am

Brenda M. Capobianco	ST2:RP-Constructing and Receiving Peer Feedback on Engineering Designs: Student Engagement and Pedagogical Supports - 03/18/2020 01:00pm to 02:30pm,ST7:RP-Using Principles of Engineering Design to Advance Elementary Science Teacher Preparation - 03/18/2020 10:30am to 12:00pm
Brenda R. Brand	ST11:SC-Papers-Exploring the Experiences and STEM Identity Development of Black Students and Teachers - 03/15/2020 02:40pm to 04:10pm
Brendan E. Callahan	ST3:RP-Analyses of Elementary Preservice and Inservice Teachers' Use of Crosscutting Concepts in Plans and Enactments - 03/16/2020 08:30am to 10:00am
Brett A. Criswell	ST7:SC-Papers-Practice-based Science Teaching - 03/17/2020 03:30pm to 05:00pm
Brett Branco	ST14:SC-Papers-Environmental Education - learner's perspective - 03/15/2020 04:20pm to 05:50pm
Brezhnev Batres	ST11:-Grappling with Coming Closer to Equity and Justice in Science Education: Students and Teachers Pondering Identities, Engaging in Multimodal Representations, and Pursuing Critical Hope - 03/16/2020 10:15am to 11:45am
Brian D. Gane	ST10:SC-Papers-Novel Approaches to Science Assessment - 03/15/2020 04:20pm to 05:50pm
Brian Hancock	ST7:S-Context-Dependent Approaches to Partnering with Mentor Teachers: Supporting Novice Teachers Ambitious Science Teaching - 03/16/2020 08:30am to 10:00am
Brian M. Donovan	ST1:RP-Recent Trends in Genetics Education Research - 03/15/2020 04:20pm to 05:50pm,ST10:RP-Automated Assessment of Argumentation in School Science: Developments and Challenges - 03/15/2020 02:40pm to 04:10pm,ST10:SC-Papers-Analyzing Real-world Data - 03/17/2020 09:45am to 11:15am,ST1:SC-Papers- Understandings about Genetics, Evolution, and Natural Selection - 03/18/2020 10:30am to 12:00pm,ST2:SC-Papers-Motivating Youth Engagement - 03/18/2020 08:30am to 10:00am
Brian M. Hand	ST10:SC-Papers-Investigation of Teacher Knowledge - 03/18/2020 08:30am to 10:00am,ST2:SC-Papers-Perceptual & Conceptual Change - 03/18/2020 10:30am to 12:00pm
Brian Sato	ST5:SC-Papers-Diverse student perceptions, positioning, and retention in STEM - 03/17/2020 03:30pm to 05:00pm,ST5:SC-Papers-Faculty positioning and partnerships to support teaching - 03/18/2020 01:00pm to 02:30pm
Brian Stuhlmiller	ST5:SC-Papers-Fostering students' communication and argumentation - 03/16/2020 10:15am to 11:45am
Brian W. Riordan	ST10:S-Automated Scoring of Complex Performances - 03/17/2020 03:30pm to 05:00pm
Brianna L Martinez	ST5:SC-Papers-Engaging students' interdisciplinary connections - 03/18/2020 10:30am to 12:00pm
Brianna L. Johns	ST5:SC-Papers-Contemporary instructional approaches in postsecondary STEM - 03/17/2020 01:45pm to 03:15pm
Bridget K. Mulvey	ST7:SC-Papers-Preservice Teachers Perceptions of Engineering - 03/18/2020 10:30am to 12:00pm
Bridget T Miller	ST1:AS-Developing Science Literacy and the Potential for Conceptual Change - 03/16/2020 08:30am to 10:00am
Brit Toven-Lindsey	ST8:SC-Papers-Approaches to PD to Support Science Teaching - 03/18/2020 10:30am to 12:00pm
Brittany Garvin-Hudson	ST16:AS-Addressing Issues of Equity and Justice across Places and Context in Science - 03/15/2020 02:40pm to 04:10pm
Brittney A Ferrari	ST5:SC-Papers-Affordances for students' literacy and engagement in postsecondary biology - 03/16/2020 08:30am to 10:00am
Bronwyn Terrill	ST8:SC-Papers-Context in Professional Development - 03/16/2020 08:30am to 10:00am
Brooke A. Whitworth	ST12:SC-Papers-Teaching with Technology - 03/18/2020 01:00pm to 02:30pm
Bruce Anderson	ST15:SC-Papers-Understanding and Supporting STEM Education Improvement Efforts Within Schools and Districts - 03/16/2020 10:15am to 11:45am
Bryan A. Brown	ST11:RP-Creating Space for the Inclusion of Social Justice within Engineering Learning Environments - 03/15/2020 02:40pm to 04:10pm
Bryan M. Rebar	ST8:SC-Papers-Approaches to PD to Support Science Teaching - 03/18/2020 10:30am to 12:00pm
Bryan Shao-Chang Wee	ST11:SC-Papers-Considerations for Girls & Women in Science and Engineering - 03/17/2020 03:30pm to 05:00pm
Busra Aksoz	ST8:SC-Papers-Supporting Authentic Science Practices - 03/18/2020 08:30am to 10:00am
Busra Tuncay-Yuksel	ST7:SC-Papers-Preservice Teacher as Scholars and Professionals - 03/18/2020 01:00pm to 02:30pm
CACHANDA K. ORELLANA	ST9:SC-Papers-Teacher Efficacy, Ownership, and Practice - 03/18/2020 08:30am to 10:00am
Caleb Farry	ST15:SC-Papers-Understanding and Supporting STEM Education Improvement Efforts Within Schools and Districts - 03/16/2020 10:15am to 11:45am
Callie Herring	ST14:SC-Papers-Environmental and social responsibility - 03/18/2020 08:30am to 10:00am
Calvin S Kalman	ST1:AS-Developing Science Literacy and the Potential for Conceptual Change - 03/16/2020 08:30am to 10:00am,ST1:SC-Papers-New approaches to Learning - 03/17/2020 08:00am to 09:30am
Candice R. Guy-Gaytán	ST10:SC-Papers-Investigation of Teacher Knowledge - 03/18/2020 08:30am to 10:00am
Caren B. Cooper	ST5:SC-Papers-Contemporary instructional approaches in postsecondary STEM - 03/17/2020 01:45pm to 03:15pm

Cari F. Herrmann Abell	ST1:SC-Papers-Student Understandings about Energy and Light - 03/17/2020 01:45pm to 03:15pm
Carina M. Rebello	ST7:SC-Papers-Making Instructional Decisions: Assessment and edTPA - 03/17/2020 09:45am to 11:15am,ST10:SC-Papers-Integration of STEM disciplines - 03/18/2020 01:00pm to 02:30pm
Carla C. Johnson	ST4:SC-Papers-STEM integration across disciplines - 03/15/2020 02:40pm to 04:10pm,ST16:AS-How to Get Your Research Published in Science Education Journals PAC Symposium - 03/17/2020 08:00am to 09:30am
Carla Zembal-Saul	ST8:S-Equity and Elementary Science Teaching & Learning - 03/17/2020 01:45pm to 03:15pm
Carlos Vieira	ST14:SC-Papers-Environmental and social responsibility - 03/18/2020 08:30am to 10:00am
Carlson H. Coogler	ST1:SC-Papers-Modeling - 03/16/2020 01:15pm to 02:45pm
Carmen Angelica Carrion	ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
Carmen Bucknor	ST11:SC-Papers-Reconceptualizing the Pathways and Experiences of Women of Color in STEM - 03/16/2020 01:15pm to 02:45pm
Carmen Turner	ST11:SC-Papers- Partnerships and STEM Learning Experiences Across (In)formal Contexts - 03/17/2020 08:00am to 09:30am
Carol Muller	ST11:RP-Creating Space for the Inclusion of Social Justice within Engineering Learning Environments - 03/15/2020 02:40pm to 04:10pm
Carola Garrecht	ST2:SC-Papers-Socioscientific Reasoning, Decision-Making, & Discourse - 03/15/2020 04:20pm to 05:50pm
Carolina Napp-Avelli	ST14:SC-Papers-Environmental and social responsibility - 03/18/2020 08:30am to 10:00am
Caroline Cormier	ST5:SC-Papers-Fostering students' communication and argumentation - 03/16/2020 10:15am to 11:45am
Carolyn Staudt	ST12:SC-Papers-Technology Tools to Support Scientific Thinking - 03/15/2020 02:40pm to 04:10pm
Carrie D. Allen	ST15:SC-Papers-Understanding and Supporting STEM Education Improvement Efforts Within Schools and Districts - 03/16/2020 10:15am to 11:45am,ST10:SC-Papers-Analysis and Evaluation of Science Curricula - 03/17/2020 08:00am to 09:30am,ST16:AS-Impacting Practice through Science Education Research: Communicating Within and Across Places, Contexts, and Communities - 03/17/2020 03:30pm to 05:00pm,ST6:RP-Examining Underrepresented Young Women's STEM Identities - 03/17/2020 09:45am to 11:15am
Carrie Tzou	ST14:RP-Fostering Young Learners' Socioecological Systems Reasoning and Decision-Making through Family and Community Supported Field-Based Science - 03/17/2020 01:45pm to 03:15pm
Carrie-Anne Sherwood	ST3:RP-Analyses of Elementary Preservice and Inservice Teachers' Use of Crosscutting Concepts in Plans and Enactments - 03/16/2020 08:30am to 10:00am
Casandra Gonzalez	ST8:SC-Papers-Professional Development to Support Curriculum Design - 03/15/2020 04:20pm to 05:50pm,ST8:SC-Papers-Context in Professional Development - 03/16/2020 08:30am to 10:00am,ST8:SC-Papers-Teacher Learning in the Biological/Environmental Sciences - 03/18/2020 01:00pm to 02:30pm
Casey E Wright	ST11:S-Critical Views of Science Education Research in Linguistically and Culturally Diverse Contexts - 03/16/2020 08:30am to 10:00am,ST6:SC-Papers- Informal science in afterschool programs - 03/16/2020 01:15pm to 02:45pm
Catherine E. Milne	ST16:AS-How to Get Your Research Published in Science Education Journals PAC Symposium - 03/17/2020 08:00am to 09:30am,ST11:SC-Papers-Exploring Feminism and Materialism in Science Education - 03/18/2020 08:30am to 10:00am
Catherine Lemmi	ST11:SC-Papers-Renegotiating Multiculturalism & Multilingualism in Science Education - 03/15/2020 04:20pm to 05:50pm
Catherine Quinlan	ST16:AS-Addressing Issues of Equity and Justice across Places and Context in Science - 03/15/2020 02:40pm to 04:10pm,ST11:SC-Papers-Reconceptualizing the Pathways and Experiences of Women of Color in STEM - 03/16/2020 01:15pm to 02:45pm,ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
Catherine Riegler-Crumb	ST1:SC-Papers-Engineering Framework - 03/16/2020 10:15am to 11:45am,ST11:SC-Papers-Considerations for Girls & Women in Science and Engineering - 03/17/2020 03:30pm to 05:00pm
Catherine Stimac	ST10:RP-Design, Development, and Testing of a Media-Rich Three-dimensional Middle School Science Unit - 03/18/2020 08:30am to 10:00am
Cathy Bunting	ST4:SC-Papers-Teacher knowledge and implementation - 03/15/2020 04:20pm to 05:50pm
Cathy Durano	ST8:SC-Papers-Professional Development to Support Curriculum Design - 03/15/2020 04:20pm to 05:50pm
Cathy P. Lachapelle	ST15:SC-Papers-Examining Models of Change in STEM Education - 03/16/2020 01:15pm to 02:45pm
Celeste Nicholas	ST3:SC-Papers-Teacher instructional practices for equity in the NGSS - 03/18/2020 01:00pm to 02:30pm
Cesar Delgado	ST1:SC-Papers-Modeling - 03/16/2020 01:15pm to 02:45pm,ST5:SC-Papers-Student understandings and perceptions of evolution - 03/17/2020 08:00am to 09:30am,ST1:SC-Papers-Understandings about Genetics, Evolution, and Natural Selection - 03/18/2020 10:30am to 12:00pm,ST5:SC-Papers-Empowering emerging postsecondary educators - 03/18/2020 08:30am to 10:00am
Chadd McGlone	ST14:SC-Papers-Environmental and social responsibility - 03/18/2020 08:30am to 10:00am
Chan-Jong Kim	ST2:SC-Papers-Modeling and Model-Based Teaching - 03/16/2020 08:30am to 10:00am

Changzhao Wang	ST12:SC-Papers-Digital Tools: Research and Demonstration Showcase - 03/18/2020 10:30am to 12:00pm
ChanMin Kim	ST8:SC-Papers-Professional Development using Computational Thinking and Robotics - 03/17/2020 08:00am to 09:30am
Charlene L. Ellingson	ST8:SC-Papers-Professional Development to Support Curriculum Design - 03/15/2020 04:20pm to 05:50pm
Charlene LaDawn Montaño Nolan	ST14:RP-Fostering Young Learners' Socioecological Systems Reasoning and Decision-Making through Family and Community Supported Field-Based Science - 03/17/2020 01:45pm to 03:15pm
Charlene M. Czerniak	ST3:SC-Papers-Early Childhood Scientific Thinking - 03/18/2020 08:30am to 10:00am
Charles Nilon	ST11:SC-Papers-Persistence & Retention Strategies for Underrepresented Populations in STEM - 03/16/2020 08:30am to 10:00am
Charles R. Henderson	ST15:SC-Papers-Understanding and Supporting STEM Education Improvement Efforts Within Schools and Districts - 03/16/2020 10:15am to 11:45am
Charles W. Anderson	ST4:RP-Teaching for Science Literacy at Scale - 03/16/2020 01:15pm to 02:45pm,ST10:S-Automated Scoring of Complex Performances - 03/17/2020 03:30pm to 05:00pm
Charles Xie	ST12:SC-Papers-Digital Tools: Research and Demonstration Showcase - 03/18/2020 10:30am to 12:00pm
Charlotte A Agger	ST11:SC-Papers-Reconceptualizing the Pathways and Experiences of Women of Color in STEM - 03/16/2020 01:15pm to 02:45pm
Charnell Long	ST11:RP-Establishment and Maintenance of Black STEM Community Institutions - 03/15/2020 04:20pm to 05:50pm,ST11:SC-Papers-Promoting Inclusion in Culturally and Linguistically Diverse Science Classrooms - 03/16/2020 10:15am to 11:45am
Chelsea Joy Andrews	ST2:RP-Constructing and Receiving Peer Feedback on Engineering Designs: Student Engagement and Pedagogical Supports - 03/18/2020 01:00pm to 02:30pm
Chelsea McClure	ST2:SC-Papers-The Chemistry Learning Environment - 03/15/2020 02:40pm to 04:10pm
Chelsey A. Dankenbring	ST4:SC-Papers-STEM integration across disciplines - 03/15/2020 02:40pm to 04:10pm
Chelsey Grassie	ST5:SC-Papers-Tools and frameworks to measure students' success and struggles - 03/17/2020 01:45pm to 03:15pm
Chenchen Ding	ST10:SC-Papers-Investigation of Teacher Knowledge - 03/18/2020 08:30am to 10:00am
Cheryl Sanguenza	ST11:SC-Papers-Renegotiating Multiculturalism & Multilingualism in Science Education - 03/15/2020 04:20pm to 05:50pm
Chi Yeong Oh	ST10:SC-Papers-Analyzing Real-world Data - 03/17/2020 09:45am to 11:15am
Chidinma A Ezeano	ST2:SC-Papers-Complexity, Cognition, & the Human Experience - 03/18/2020 10:30am to 12:00pm
ChihChe Tai	ST4:SC-Papers-STEM integration across disciplines - 03/15/2020 02:40pm to 04:10pm
Chin-Chung Tsai	ST2:SC-Papers-Socioscientific Reasoning, Decision-Making, & Discourse - 03/15/2020 04:20pm to 05:50pm
Chinenye P Nwobodo	ST2:SC-Papers-Complexity, Cognition, & the Human Experience - 03/18/2020 10:30am to 12:00pm
Chinmay Kulkarni	ST8:SC-Papers-Teacher Learning in the Physical Sciences - 03/18/2020 10:30am to 12:00pm
Chris Eames	ST4:SC-Papers-Teacher knowledge and implementation - 03/15/2020 04:20pm to 05:50pm
Chris Georgen	ST3:RP-Engaging Young Children in Science and Engineering Practices: Approaches to Research and Design - 03/17/2020 08:00am to 09:30am
Chris San Antonio-Tunis	ST2:S-Early Childhood Engineering: Supporting Engineering Design Practices with Young Children and Their Families - 03/17/2020 08:00am to 09:30am
Christa Haverly	ST16:AS-Methods RIG - 03/17/2020 01:45pm to 03:15pm,ST16:AS-Graduate Student Research Symposium - 03/17/2020 03:30pm to 05:00pm
Christian D. Schunn	ST5:RP-The Impact of Chemistry Education Research on Theory Development, Classroom Improvements, and Pre-Service Teacher Training - 03/17/2020 08:00am to 09:30am
Christiana Nkechi Omoifo	ST2:SC-Papers-Interest, Identity, & Empathy - 03/15/2020 04:20pm to 05:50pm
Christie C. Byers	ST7:SC-Papers-Preservice Teacher Journaling and Reflection - 03/18/2020 08:30am to 10:00am
Christie Martin	ST1:AS-Developing Science Literacy and the Potential for Conceptual Change - 03/16/2020 08:30am to 10:00am
Christie Morrison Thomas	ST4:RP-Teaching for Science Literacy at Scale - 03/16/2020 01:15pm to 02:45pm
Christina L. Baze	ST1:SC-Papers-Engineering Framework - 03/16/2020 10:15am to 11:45am,ST11:SC-Papers-Considerations for Girls & Women in Science and Engineering - 03/17/2020 03:30pm to 05:00pm,ST2:SC-Papers-Agency - 03/17/2020 01:45pm to 03:15pm,ST4:SC-Papers-Intersecting Earth science and Engineering concept in the classroom - 03/18/2020 08:30am to 10:00am
Christina Morales	ST10:SC-Papers-Investigation of Teacher Knowledge - 03/18/2020 08:30am to 10:00am
Christina Restrepo Nazar	ST2:RP-Disrupting Science Education Across Contexts: K-12 Learning, Teaching & Local Communities - 03/17/2020 09:45am to 11:15am

Christina Siry	ST11:S-Critical Views of Science Education Research in Linguistically and Culturally Diverse Contexts - 03/16/2020 08:30am to 10:00am,ST11:RP-Spaces of Agency: Centering teacher agency and expanding contexts for equitable science teaching and learning - 03/16/2020 10:15am to 11:45am,ST16:AS-How to Get Your Research Published in Science Education Journals PAC Symposium - 03/17/2020 08:00am to 09:30am,ST16:AS-Impacting Practice through Science Education Research: Communicating Within and Across Places, Contexts, and Communities - 03/17/2020 03:30pm to 05:00pm,ST16:AS-NSTA's Annual Research Worth Reading Recognition - 03/18/2020 10:30am to 12:00pm
Christina Stiso	ST3:SC-Papers-Teacher instructional practices for equity in the NGSS - 03/18/2020 01:00pm to 02:30pm
Christina V. Schwarz	ST3:RP-Engaging Young Children in Science and Engineering Practices: Approaches to Research and Design - 03/17/2020 08:00am to 09:30am,ST8:S-Equity and Elementary Science Teaching & Learning - 03/17/2020 01:45pm to 03:15pm
Christine Benita	ST14:RP-Fostering Young Learners' Socioecological Systems Reasoning and Decision-Making through Family and Community Supported Field-Based Science - 03/17/2020 01:45pm to 03:15pm
Christine Garand Scherer	ST8:SC-Papers-Research Experiences for Teachers - 03/18/2020 01:00pm to 02:30pm
Christine L Bae	ST8:SC-Papers-Meeting the Content Needs of STEM Educators - 03/16/2020 10:15am to 11:45am,ST8:SC-Papers-Approaches to PD to Support Science Teaching - 03/18/2020 10:30am to 12:00pm
Christine McGrail	ST1:SC-Papers-Engineering Framework - 03/16/2020 10:15am to 11:45am,ST13:SC-Papers-Teaching of NOS - 03/17/2020 08:00am to 09:30am
Christine Okochi	ST6:SC-Papers-Science learning through non-traditional ISL experiences - 03/18/2020 08:30am to 10:00am
Christine Schnittka	ST7:SC-Papers-Preservice Teacher Journaling and Reflection - 03/18/2020 08:30am to 10:00am
Christine V. Mcdonald	ST13:SC-Papers-NOS and Teachers' Perceptions - 03/16/2020 01:15pm to 02:45pm,ST7:SC-Papers-Preservice Teacher Recruitment - 03/17/2020 01:45pm to 03:15pm
Christopher Atchison	ST16:AS-Addressing Issues of Equity and Justice across Places and Context in Science - 03/15/2020 02:40pm to 04:10pm
Christopher Cappelli	ST8:SC-Papers-Professional Development to Support Induction of New Science Teachers - 03/18/2020 10:30am to 12:00pm
Christopher Dede	ST12:RP-Beyond the novelty effect – examining learning affordances of XR educational technologies - 03/17/2020 08:00am to 09:30am
Christopher Dittrick	ST3:SC-Papers-Teacher instructional practices for equity in the NGSS - 03/18/2020 01:00pm to 02:30pm
Christopher G. Wright	ST11:RP-Creating Space for the Inclusion of Social Justice within Engineering Learning Environments - 03/15/2020 02:40pm to 04:10pm,ST11:-Grappling with Coming Closer to Equity and Justice in Science Education: Students and Teachers Pondering Identities, Engaging in Multimodal Representations, and Pursuing Critical Hope - 03/16/2020 10:15am to 11:45am,ST2:RP-Constructing and Receiving Peer Feedback on Engineering Designs: Student Engagement and Pedagogical Supports - 03/18/2020 01:00pm to 02:30pm
Christopher J. Harris	ST10:SC-Papers-Novel Approaches to Science Assessment - 03/15/2020 04:20pm to 05:50pm,ST4:SC-Papers-NGSS - Practices and Implementation - 03/17/2020 03:30pm to 05:00pm
Christopher S. Long	ST7:SC-Papers-Informal Science Education and Socioscientific Issues - 03/17/2020 08:00am to 09:30am
Christopher Wilson	ST10:RP-Automated Assessment of Argumentation in School Science: Developments and Challenges - 03/15/2020 02:40pm to 04:10pm,ST8:RP-Scaling an Effective Analysis-of-Practice PD Program in Two High-Needs Districts: Impacts, Successes, and Challenges - 03/17/2020 03:30pm to 05:00pm
Chun-Yen Chang	ST10:SC-Papers-Integration of STEM disciplines - 03/18/2020 01:00pm to 02:30pm
Cigdem Uz Bilgin	ST12:RP-Beyond the novelty effect – examining learning affordances of XR educational technologies - 03/17/2020 08:00am to 09:30am
Cindy A. Lenhart	ST15:SC-Papers-Examining Models of Change in STEM Education - 03/16/2020 01:15pm to 02:45pm,ST5:SC-Papers-Developing students' contemporary practices - 03/17/2020 09:45am to 11:15am
Cindy E. Hmelo-Silver	ST10:SC-Papers-Novel Approaches to Science Assessment - 03/15/2020 04:20pm to 05:50pm,ST10:SC-Papers-Assessing scientific concepts across disciplines - 03/17/2020 03:30pm to 05:00pm,ST3:SC-Papers-Teacher instructional practices for equity in the NGSS - 03/18/2020 01:00pm to 02:30pm
Claire Cesljarov	ST10:SC-Papers-Attitudes, Beliefs, Motivation, and Identity in Science Learning - 03/17/2020 01:45pm to 03:15pm,ST7:SC-Papers-Shifting the Teaching Paradigm - 03/17/2020 08:00am to 09:30am
Claire Darraud	ST1:SC-Papers-Student Understandings about Energy and Light - 03/17/2020 01:45pm to 03:15pm
Clara Meaders	ST6:SC-Papers-Science interest and identity formation in informal spaces - 03/17/2020 08:00am to 09:30am
Clarissa Keen	ST5:SC-Papers-Tools and frameworks to measure students' success and struggles - 03/17/2020 01:45pm to 03:15pm
Claudia Hagan	ST8:SC-Papers-Context in Professional Development - 03/16/2020 08:30am to 10:00am
Claudia P. Aguirre-Mendez	ST5:SC-Papers-Fostering students' communication and argumentation - 03/16/2020 10:15am to 11:45am
Clausell Mathis	ST6:RP-Examining Under-represented Young Women's STEM Identities - 03/17/2020 09:45am to 11:15am
Cody Smith	ST5:SC-Papers-Empowering emerging postsecondary educators - 03/18/2020 08:30am to 10:00am

Colin Dixon	ST2:SC-Papers-Motivating Youth Engagement - 03/18/2020 08:30am to 10:00am
Colin H. Hennessy Elliott	ST11:SC-Papers-Exploring Feminism and Materialism in Science Education - 03/18/2020 08:30am to 10:00am
Conatance E Idoko	ST2:SC-Papers-Complexity, Cognition, & the Human Experience - 03/18/2020 10:30am to 12:00pm
Connie Hvidsten	ST8:RP-Scaling an Effective Analysis-of-Practice PD Program in Two High-Needs Districts: Impacts, Successes, and Challenges - 03/17/2020 03:30pm to 05:00pm
Connor Bain	ST8:SC-Papers-Professional Development using Computational Thinking and Robotics - 03/17/2020 08:00am to 09:30am
Consuelo J. Morales	ST10:RP-Productively Engaging 'Community' in Project-Based Learning: Approaches to Supporting Meaningful Science Learning in Formal Classrooms - 03/16/2020 01:15pm to 02:45pm,ST7:SC-Papers-Retaining Preservice Physics Teachers - 03/16/2020 08:30am to 10:00am
Coralie F. Delhaye	ST2:RP-Improving Guidance for Classroom Argumentation in Science Inquiry - 03/15/2020 04:20pm to 05:50pm
Corey A. Payne	ST5:SC-Papers-Diverse student perceptions, positioning, and retention in STEM - 03/17/2020 03:30pm to 05:00pm,ST2:SC-Papers-Characteristics of the Learning Environment - 03/18/2020 08:30am to 10:00am
Corey E. Brady	ST2:SC-Papers-Language & Learning Science - 03/15/2020 02:40pm to 04:10pm
Corinne H. Lardy	ST7:SC-Papers-Building Preservice Teacher Capacity through Stakeholders - 03/16/2020 10:15am to 11:45am
Cory Susanne Miller	ST10:RP-Productively Engaging 'Community' in Project-Based Learning: Approaches to Supporting Meaningful Science Learning in Formal Classrooms - 03/16/2020 01:15pm to 02:45pm,ST3:SC-Papers-Teacher instructional practices for equity in the NGSS - 03/18/2020 01:00pm to 02:30pm
Cory T. Forbes	ST3:SC-Papers-Teacher knowledge, beliefs, & use of science practices with students - 03/15/2020 02:40pm to 04:10pm,ST4:SC-Papers-Socioscientific issues in the science classroom - 03/16/2020 10:15am to 11:45am,ST5:SC-Papers-Student metacognition and systems thinking - 03/16/2020 01:15pm to 02:45pm,ST14:RP-Modelling, Assessment, and Promotion of Climate Literacy - 03/17/2020 03:30pm to 05:00pm,ST1:SC-Papers-Understanding of Climate and Natural Systems - 03/18/2020 08:30am to 10:00am,ST4:SC-Papers-Inquiry-based instruction and explorative science practices - 03/18/2020 10:30am to 12:00pm
Courtney Donovan	ST5:SC-Papers-Tools and frameworks to measure students' success and struggles - 03/17/2020 01:45pm to 03:15pm
Courtney M. Spillman	ST8:SC-Papers-Research Experiences for Teachers - 03/18/2020 01:00pm to 02:30pm
Craig Kohn	ST4:RP-Teaching for Science Literacy at Scale - 03/16/2020 01:15pm to 02:45pm
Cynthia Gay	ST8:RP-Scaling an Effective Analysis-of-Practice PD Program in Two High-Needs Districts: Impacts, Successes, and Challenges - 03/17/2020 03:30pm to 05:00pm
Cynthia McIntyre	ST12:RP-Technology-Enhanced Framing of Data to Facilitate Classroom Enactment of Science Practices - 03/17/2020 01:45pm to 03:15pm
Cynthia Szymanski Sunal	ST8:SC-Papers-Teacher Learning in the Physical Sciences - 03/18/2020 10:30am to 12:00pm
Cyong-Huei Chen	ST13:SC-Papers-Teaching of NOS - 03/17/2020 08:00am to 09:30am
Da Yeon Kang	ST16:AS-Promoting an International Focus on Research and Science Teacher Education to Improve Science and Special Education - 03/17/2020 03:30pm to 05:00pm
Dafna Gan	ST2:SC-Papers-Complexity, Cognition, & the Human Experience - 03/18/2020 10:30am to 12:00pm
Dana L. Zeidler	ST14:SC-Papers-Environmental Education - learner's perspective - 03/15/2020 04:20pm to 05:50pm,ST16:AS-Publishing, Reviewing and Writing for the Journal of Research in Science Teaching: Lessons Learned and New Visions - 03/16/2020 01:15pm to 02:45pm,ST13:SC-Papers-SSI and NOS - 03/17/2020 09:45am to 11:15am,ST7:SC-Papers-Informal Science Education and Socioscientific Issues - 03/17/2020 08:00am to 09:30am,ST10:S-What is the science curriculum of today and the future? - 03/18/2020 01:00pm to 02:30pm
Dana Vedder-Weiss	ST6:AS-Igniting Informal Science - 03/15/2020 02:40pm to 04:10pm,ST6:SC-Papers-Museum participant experiences - 03/16/2020 10:15am to 11:45am,ST8:SC-Papers-Professional Learning Communities - 03/17/2020 01:45pm to 03:15pm
Dani Lin Hunter	ST14:SC-Papers-Citizen engagement: Between attitudes and behavior - 03/18/2020 01:00pm to 02:30pm
Daniel Bergman	ST8:SC-Papers-Professional Development to Support Curriculum Design - 03/15/2020 04:20pm to 05:50pm
Daniel Birmingham	ST2:SC-Papers-Complexity, Cognition, & the Human Experience - 03/18/2020 10:30am to 12:00pm
Daniel Carpenter	ST9:SC-Papers-Teacher Efficacy, Ownership, and Practice - 03/18/2020 08:30am to 10:00am
Daniel Gluskin	ST12:SC-Papers-Breakthroughs in Online Learning - 03/17/2020 03:30pm to 05:00pm
Daniel K. Capps	ST1:SC-Papers-Modeling - 03/16/2020 01:15pm to 02:45pm
Daniel L. Brown	ST8:SC-Papers-Assessment to Support NGSS Implementation - 03/15/2020 02:40pm to 04:10pm

Daniel L. Moreno	ST1:SC-Papers-Supporting Understanding with Mathematics and Computational Thinking - 03/16/2020 08:30am to 10:00am,ST7:SC-Papers-Practice-based Science Teaching - 03/17/2020 03:30pm to 05:00pm
Daniel M. Levin	ST4:SC-Papers-Science across contexts - 03/17/2020 01:45pm to 03:15pm,ST7:SC-Papers-Preservice Teacher as Scholars and Professionals - 03/18/2020 01:00pm to 02:30pm,ST14:SC-Papers-Environmental and social responsibility - 03/18/2020 08:30am to 10:00am
Daniel N. Damelin	ST2:RP-Characterizing computational thinking in the context of technology-enhanced multilevel system modeling - 03/16/2020 10:15am to 11:45am,ST12:RP-Technology-Enhanced Framing of Data to Facilitate Classroom Enactment of Science Practices - 03/17/2020 01:45pm to 03:15pm
Daniel Pimentel	ST10:SC-Papers-Integration of STEM disciplines - 03/18/2020 01:00pm to 02:30pm
Daniel Wendel	ST12:SC-Papers-Technology Tools to Support Scientific Thinking - 03/15/2020 02:40pm to 04:10pm,ST12:SC-Papers-Breakthroughs in Online Learning - 03/17/2020 03:30pm to 05:00pm
Daniel Z. Grunspan	ST5:SC-Papers-Faculty positioning and partnerships to support teaching - 03/18/2020 01:00pm to 02:30pm
Daniela Fiedler	ST1:RP-Learning and Teaching Evolution in High School: Challenges and Possible Remedies - 03/15/2020 02:40pm to 04:10pm,ST1:SC-Papers-Understandings about Genetics, Evolution, and Natural Selection - 03/18/2020 10:30am to 12:00pm
Danielle B. Harlow	ST6:S-Professional Development Opportunities for Informal STEM Learning Professionals - 03/18/2020 01:00pm to 02:30pm
Danielle Boyd Harlow	ST6:SC-Papers-Educating informal science educators - 03/15/2020 04:20pm to 05:50pm,ST6:SC-Papers-Science learning in museums and zoos - 03/17/2020 03:30pm to 05:00pm
Danielle C. Boulden	ST10:SC-Papers-Analysis and Evaluation of Science Curricula - 03/17/2020 08:00am to 09:30am,ST12:SC-Papers-Teaching with Technology - 03/18/2020 01:00pm to 02:30pm
Danielle Lin Hunter	ST14:SC-Papers-Citizen engagement: Between attitudes and behavior - 03/18/2020 01:00pm to 02:30pm
Dante Cisterna	ST10:SC-Papers-Novel Approaches to Science Assessment - 03/15/2020 04:20pm to 05:50pm,ST10:SC-Papers-Assessing scientific concepts across disciplines - 03/17/2020 03:30pm to 05:00pm,ST2:RP-Disrupting Science Education Across Contexts: K-12 Learning, Teaching & Local Communities - 03/17/2020 09:45am to 11:15am,ST10:SC-Papers-Dynamic Relationships between Practices and Knowledge in Science Assessment - 03/18/2020 10:30am to 12:00pm,ST10:SC-Papers-Investigation of Teacher Knowledge - 03/18/2020 08:30am to 10:00am
Dara Naphan-Kingery	ST11:SC-Papers-Counterspaces and Critical Considerations in University Settings - 03/18/2020 10:30am to 12:00pm
Darcy M. Ronan	ST7:SC-Papers-Preservice Teachers' Identities and Beliefs - 03/15/2020 04:20pm to 05:50pm
Darrin A Collins	ST8:SC-Papers-Meeting the Content Needs of STEM Educators - 03/16/2020 10:15am to 11:45am
Darrin Collins	ST11:-Grappling with Coming Closer to Equity and Justice in Science Education: Students and Teachers Pondering Identities, Engaging in Multimodal Representations, and Pursuing Critical Hope - 03/16/2020 10:15am to 11:45am,ST8:SC-Papers-Student Achievement - 03/17/2020 03:30pm to 05:00pm
David Anderson	ST2:SC-Papers-Interest, Identity, & Empathy - 03/15/2020 04:20pm to 05:50pm
David Brookes	ST2:S-Epistemic aspects of engagement in novel contexts of learning physics - 03/17/2020 08:00am to 09:30am
David C. Owens	ST16:AS-Impacting Practice through Science Education Research: Communicating Within and Across Places, Contexts, and Communities - 03/17/2020 03:30pm to 05:00pm,ST13:SC-Papers-SSI and NOS - 03/17/2020 09:45am to 11:15am
David Crowther	ST16:AS-NSTA-Translating your Research into Forms that are Useful to K-12 Science Educators - 03/18/2020 08:30am to 10:00am
David E. Brown	ST13:SC-Papers-Nature of Scientific Practices - 03/16/2020 08:30am to 10:00am
David F. Jackson	ST8:SC-Papers-Professional Development using Computational Thinking and Robotics - 03/17/2020 08:00am to 09:30am
David L. Fortus	ST2:SC-Papers-Motivation & Self-Efficacy - 03/16/2020 10:15am to 11:45am,ST1:SC-Papers-Student Understandings about Energy and Light - 03/17/2020 01:45pm to 03:15pm
David L. Myers	ST10:SC-Papers-Investigation of Teacher Knowledge - 03/18/2020 08:30am to 10:00am
David M. Sparks	ST11:SC-Papers-Exploring Feminism and Materialism in Science Education - 03/18/2020 08:30am to 10:00am,ST11:SC-Papers-Embracing Indigenous Knowledge of the African Diaspora and Tribal Communities - 03/18/2020 01:00pm to 02:30pm
David McKinney	ST4:SC-Papers-STEM integration across disciplines - 03/15/2020 02:40pm to 04:10pm,ST4:SC-Papers-NGSS - Practices and Implementation - 03/17/2020 03:30pm to 05:00pm,ST2:SC-Papers-Perceptual & Conceptual Change - 03/18/2020 10:30am to 12:00pm
David Meier	ST6:S-Measuring the long-term effects of informal education experiences: An interactive research symposium - 03/18/2020 10:30am to 12:00pm
David Perl Nussbaum	ST2:SC-Papers-Inquiry Science Learning - 03/18/2020 01:00pm to 02:30pm

David Phelps	ST3:RP-Engaging Young Children in Science and Engineering Practices: Approaches to Research and Design - 03/17/2020 08:00am to 09:30am
David Segura	ST11:-Grappling with Coming Closer to Equity and Justice in Science Education: Students and Teachers Pondering Identities, Engaging in Multimodal Representations, and Pursuing Critical Hope - 03/16/2020 10:15am to 11:45am
David Stroupe	ST7:SC-Papers-Building Knowledge through Asset-based Pedagogy - 03/15/2020 02:40pm to 04:10pm,ST7:S-Context-Dependent Approaches to Partnering with Mentor Teachers: Supporting Novice Teachers Ambitious Science Teaching - 03/16/2020 08:30am to 10:00am
David W. Jackson	ST2:SC-Papers-Motivating Youth Engagement - 03/18/2020 08:30am to 10:00am
David Yaron	ST8:SC-Papers-Teacher Learning in the Physical Sciences - 03/18/2020 10:30am to 12:00pm
Dawn O'Connor	ST8:SC-Papers-Approaches to PD to Support Science Teaching - 03/18/2020 10:30am to 12:00pm
Dawnne M. LePretre	ST4:SC-Papers-Socioscientific issues in the science classroom - 03/16/2020 10:15am to 11:45am
Day W. Greenberg	ST11:SC-Papers- Partnerships and STEM Learning Experiences Across (In)formal Contexts - 03/17/2020 08:00am to 09:30am
Dean Livelybrooks	ST8:SC-Papers-Approaches to PD to Support Science Teaching - 03/18/2020 10:30am to 12:00pm
Déana A. Scipio	ST8:S-Equity and Elementary Science Teaching & Learning - 03/17/2020 01:45pm to 03:15pm
Dearing Blankmann	ST14:SC-Papers-Environmental and social responsibility - 03/18/2020 08:30am to 10:00am
Deb Morrison	ST16:AS-Research Practice Partnerships: Collaborations toward equitable STEM education research, reform, and implementation - 03/16/2020 08:30am to 10:00am
Debbie Siegel	ST2:SC-Papers-Teacher Perspectives, Contexts, Networks, & Roles - 03/17/2020 09:45am to 11:15am
Deborah Hanuscin	ST3:RP-Analyses of Elementary Preservice and Inservice Teachers' Use of Crosscutting Concepts in Plans and Enactments - 03/16/2020 08:30am to 10:00am
Deborah J. Tippins	ST11:SC-Papers-Exploring the Experiences and STEM Identity Development of Black Students and Teachers - 03/15/2020 02:40pm to 04:10pm
Deborah L. Hanuscin	ST3:RP-Analyses of Elementary Preservice and Inservice Teachers' Use of Crosscutting Concepts in Plans and Enactments - 03/16/2020 08:30am to 10:00am
Deborah Roberts-Harris	ST9:SC-Papers-Teacher Efficacy, Ownership, and Practice - 03/18/2020 08:30am to 10:00am
Debra Brockway	ST3:SC-Papers-Teacher knowledge, beliefs, & use of science practices with students - 03/15/2020 02:40pm to 04:10pm
Deena Gould	ST16:AS-How to Get Your Research Published in Science Education Journals PAC Symposium - 03/17/2020 08:00am to 09:30am,ST11:SC-Papers-Using Critical Frameworks to Disrupt Deficit Perspectives of Latinx Teachers, Students, and Communities - 03/17/2020 09:45am to 11:15am,ST5:SC-Papers-Contemporary instructional approaches in postsecondary STEM - 03/17/2020 01:45pm to 03:15pm
Deepika Menon	ST7:SC-Papers-Preservice Teachers' Identities and Beliefs - 03/15/2020 04:20pm to 05:50pm
Deepti Bhatt	ST14:SC-Papers-Place-based and community-based education - 03/16/2020 08:30am to 10:00am
Deidre B. Sessoms	ST7:SC-Papers-Practice-based Science Teaching - 03/17/2020 03:30pm to 05:00pm
Denise M. Bressler	ST12:RP-Beyond the novelty effect – examining learning affordances of XR educational technologies - 03/17/2020 08:00am to 09:30am,ST12:SC-Papers-Breakthroughs in Online Learning - 03/17/2020 03:30pm to 05:00pm,ST12:SC-Papers-New Methods of Measurement and Analysis to Move the Field Forward - 03/18/2020 08:30am to 10:00am,ST12:SC-Papers-Digital Tools: Research and Demonstration Showcase - 03/18/2020 10:30am to 12:00pm,ST8:SC-Papers-Teacher Learning in the Biological/Environmental Sciences - 03/18/2020 01:00pm to 02:30pm
Dennis Sunal	ST8:SC-Papers-Teacher Learning in the Physical Sciences - 03/18/2020 10:30am to 12:00pm
Dermott Donnelly-Hermosillo	ST7:SC-Papers-Practice-based Science Teaching - 03/17/2020 03:30pm to 05:00pm
Desaree Vaughan	ST7:SC-Papers-Retaining Preservice Physics Teachers - 03/16/2020 08:30am to 10:00am
Devarati Bhattacharya	ST4:SC-Papers-Socioscientific issues in the science classroom - 03/16/2020 10:15am to 11:45am,ST14:RP-Modelling, Assessment, and Promotion of Climate Literacy - 03/17/2020 03:30pm to 05:00pm,ST1:SC-Papers-Understanding of Climate and Natural Systems - 03/18/2020 08:30am to 10:00am
Devasmita Chakraverty	ST11:SC-Papers-Counterspaces and Critical Considerations in University Settings - 03/18/2020 10:30am to 12:00pm
Diana Sachmpazidi	ST16:AS-Sandra Sandra K. Abell Institute for Doctoral Students - 03/17/2020 08:00am to 09:30am
Diane Jass Ketelhut	ST7:SC-Papers-Preservice Teaching Practices - 03/16/2020 10:15am to 11:45am
Diane Lally	ST5:SC-Papers-Student metacognition and systems thinking - 03/16/2020 01:15pm to 02:45pm
Diane Susan Wright	ST14:SC-Papers-Place-based and community-based education - 03/16/2020 08:30am to 10:00am
Dina Tsybulsky	ST12:SC-Papers-Digital Tools: Research and Demonstration Showcase - 03/18/2020 10:30am to 12:00pm
Dinesh Gautam	ST16:AS-Indigenous Knowledge RIG - 03/17/2020 09:45am to 11:15am
Dirk S. Mittenzwei	ST14:RP-Modelling, Assessment, and Promotion of Climate Literacy - 03/17/2020 03:30pm to 05:00pm

Dittmar Graf	ST10:SC-Papers-Attitudes, Beliefs, Motivation, and Identity in Science Learning - 03/17/2020 01:45pm to 03:15pm
Donald DeRosa	ST15:SC-Papers-Understanding and Supporting STEM Education Improvement Efforts Within Schools and Districts - 03/16/2020 10:15am to 11:45am
Donald J. Wink	ST8:SC-Papers-Assessment to Support NGSS Implementation - 03/15/2020 02:40pm to 04:10pm
Donald P. Visco	ST8:SC-Papers-Engineering Practices to Support NGSS - 03/15/2020 04:20pm to 05:50pm
Donna Governor	ST6:SC-Papers-Science learning through non-traditional ISL experiences - 03/18/2020 08:30am to 10:00am
Donna L. Webb	ST7:SC-Papers-Preservice teachers' self-efficacy in engineering - 03/15/2020 02:40pm to 04:10pm
Dora E. Kastel	ST4:SC-Papers-Teacher knowledge and implementation - 03/15/2020 04:20pm to 05:50pm
Doris B. Ash	ST7:SC-Papers-Practice-based Science Teaching - 03/17/2020 03:30pm to 05:00pm
Dorothy Y White	ST7:SC-Papers-Science Education and Cultural Access - 03/16/2020 01:15pm to 02:45pm, ST7:SC-Papers- Preservice Teacher Recruitment - 03/17/2020 01:45pm to 03:15pm
Doug Grove	ST1:SC-Papers-Student Learning - 03/17/2020 09:45am to 11:15am,ST3:SC-Papers-Integration in the Elementary Curriculum - 03/18/2020 10:30am to 12:00pm
Doug Lombardi	ST1:SC-Papers-Understanding of Climate and Natural Systems - 03/18/2020 08:30am to 10:00am
Douglas A. Watkins	ST11:RP-Learning from Minoritized Youths' Experiences and Promoting Equitable Science Teaching through Research-Practice Partnership - 03/16/2020 01:15pm to 02:45pm
Douglas B. Clark	ST2:SC-Papers-Language & Learning Science - 03/15/2020 02:40pm to 04:10pm
Douglas S. Lownsbey	ST1:SC-Papers-Student Learning - 03/17/2020 09:45am to 11:15am
Dov Dori	ST12:SC-Papers-Breakthroughs in Online Learning - 03/17/2020 03:30pm to 05:00pm,ST10:SC-Papers-Dynamic Relationships between Practices and Knowledge in Science Assessment - 03/18/2020 10:30am to 12:00pm
Drew J. Rosen	ST5:SC-Papers-Contemporary instructional approaches in postsecondary STEM - 03/17/2020 01:45pm to 03:15pm
Durdane Bayram-Jacobs	ST4:SC-Papers-Socioscientific issues in the science classroom - 03/16/2020 10:15am to 11:45am,ST8:RP- Teachers' beliefs, perceptions and knowledge of Socioscientific Issues for global citizenship - 03/18/2020 08:30am to 10:00am
Dustin Schiering	ST7:SC-Papers-Retaining Preservice Physics Teachers - 03/16/2020 08:30am to 10:00am
Duy Pham	ST2:SC-Papers-Modeling and Model-Based Teaching - 03/16/2020 08:30am to 10:00am
Dwayne Anefal	ST11:SC-Papers-Renegotiating Multiculturalism & Multilingualism in Science Education - 03/15/2020 04:20pm to 05:50pm
Ebony McGee	ST11:SC-Papers-Counterspaces and Critical Considerations in University Settings - 03/18/2020 10:30am to 12:00pm
Ebony Terrell Shockley	ST9:SC-Papers-Teacher Efficacy, Ownership, and Practice - 03/18/2020 08:30am to 10:00am
Ebru Kaya	ST13:SC-Papers-Teaching of NOS - 03/17/2020 08:00am to 09:30am,ST8:SC-Papers-Supporting Authentic Science Practices - 03/18/2020 08:30am to 10:00am
Ed Madison	ST11:SC-Papers-Exploring the Experiences and STEM Identity Development of Black Students and Teachers - 03/15/2020 02:40pm to 04:10pm
Edit M. Yerushalmi	ST2:S-Epistemic aspects of engagement in novel contexts of learning physics - 03/17/2020 08:00am to 09:30am,ST8:SC-Papers-Professional Learning Communities - 03/17/2020 01:45pm to 03:15pm,ST2:SC-Papers-Inquiry Science Learning - 03/18/2020 01:00pm to 02:30pm
Edna Tan	ST11:RP-Learning from Minoritized Youths' Experiences and Promoting Equitable Science Teaching through Research-Practice Partnership - 03/16/2020 01:15pm to 02:45pm,ST11:SC-Papers-Commitment to Equity & Social Justice for Girls and Women of Color in STEM - 03/17/2020 01:45pm to 03:15pm,ST6:RP-Examining Under-represented Young Women's STEM Identities - 03/17/2020 09:45am to 11:15am
Edward D. Britton	ST4:SC-Papers-NGSS - Practices and Implementation - 03/17/2020 03:30pm to 05:00pm
Edward G. Lyon	ST7:SC-Papers-English Learners and Literacy Integration - 03/16/2020 01:15pm to 02:45pm
Eileen Carlton Parsons	ST5:SC-Papers-Diverse student perceptions, positioning, and retention in STEM - 03/17/2020 03:30pm to 05:00pm
Elaine V. Howes	ST11:SC-Papers-Centering Race, Whiteness, and Cultural Responsiveness in Science Education - 03/17/2020 09:45am to 11:15am
Elana B. Worth	ST4:SC-Papers-Teacher learning, efficacy and practice - 03/16/2020 01:15pm to 02:45pm,ST7:SC-Papers- Preservice Teacher Recruitment - 03/17/2020 01:45pm to 03:15pm
Eleanor Kenimer	ST6:SC-Papers-Learning science in informal science clubs and camps - 03/17/2020 09:45am to 11:15am
Elena Sereviene	ST12:SC-Papers-Digital Tools: Research and Demonstration Showcase - 03/18/2020 10:30am to 12:00pm

Eli Tucker-Raymond	ST11:-Grappling with Coming Closer to Equity and Justice in Science Education: Students and Teachers Pondering Identities, Engaging in Multimodal Representations, and Pursuing Critical Hope - 03/16/2020 10:15am to 11:45am,ST11:SC-Papers- Partnerships and STEM Learning Experiences Across (In)formal Contexts - 03/17/2020 08:00am to 09:30am
Elica B Sharifnia	ST3:SC-Papers-Teacher knowledge, beliefs, & use of science practices with students - 03/15/2020 02:40pm to 04:10pm
Elin Leirvoll Aschim	ST8:RP-Teachers' beliefs, perceptions and knowledge of Socioscientific Issues for global citizenship - 03/18/2020 08:30am to 10:00am
Elisa M. Stone	ST7:SC-Papers-Accessing Funds of Knowledge to Enhance Instruction - 03/15/2020 04:20pm to 05:50pm
Elissa Milto	ST2:S-Early Childhood Engineering: Supporting Engineering Design Practices with Young Children and Their Families - 03/17/2020 08:00am to 09:30am
Elizabeth A. Davis	ST7:SC-Papers-Retaining Preservice Physics Teachers - 03/16/2020 08:30am to 10:00am
Elizabeth A. Ring-Whalen	ST2:SC-Papers-Moves in Teaching & Discourse - 03/16/2020 01:15pm to 02:45pm
Elizabeth Arnett	ST2:SC-Papers-Agency - 03/17/2020 01:45pm to 03:15pm
Elizabeth B. Lewis	ST4:RP-Critical Factors for Effective and Equitable NGSS Science Teaching Practices - 03/16/2020 10:15am to 11:45am
Elizabeth B. Moje	ST6:SC-Papers-Learning science in informal science clubs and camps - 03/17/2020 09:45am to 11:15am
Elizabeth C. Niswander	ST16:AS-Publishing, Reviewing and Writing for the Journal of Research in Science Teaching: Lessons Learned and New Visions - 03/16/2020 01:15pm to 02:45pm
Elizabeth Chatham	ST10:SC-Papers-Teachers' Understanding and Use of Science Curriculum and Assessment - 03/15/2020 02:40pm to 04:10pm,ST4:SC-Papers-Teacher knowledge and implementation - 03/15/2020 04:20pm to 05:50pm
Elizabeth Hasseler	ST4:RP-Critical Factors for Effective and Equitable NGSS Science Teaching Practices - 03/16/2020 10:15am to 11:45am
Elizabeth Hufnagel	ST14:SC-Papers-Environmental Education - educator's perspective - 03/15/2020 02:40pm to 04:10pm,ST2:SC-Papers-Motivation & Self-Efficacy - 03/16/2020 10:15am to 11:45am
Elizabeth L Adams	ST4:SC-Papers-Teacher knowledge and implementation - 03/15/2020 04:20pm to 05:50pm
Elizabeth Moison	ST2:SC-Papers-Moves in Teaching & Discourse - 03/16/2020 01:15pm to 02:45pm
Elizabeth Schultheis	ST10:SC-Papers-Analyzing Real-world Data - 03/17/2020 09:45am to 11:15am
Elizabeth Tompkins	ST4:RP-Teaching for Science Literacy at Scale - 03/16/2020 01:15pm to 02:45pm
Elizabeth X de los Santos	ST4:RP-Teaching for Science Literacy at Scale - 03/16/2020 01:15pm to 02:45pm, ST7:SC-Papers-Preservice Teachers' Identities and Beliefs - 03/15/2020 04:20pm to 05:50pm,ST10:SC-Papers-Investigation of Teacher Knowledge - 03/18/2020 08:30am to 10:00am
Ella Greene-Moton	ST10:RP-Productively Engaging 'Community' in Project-Based Learning: Approaches to Supporting Meaningful Science Learning in Formal Classrooms - 03/16/2020 01:15pm to 02:45pm
Ella Ofek-Geva	ST2:SC-Papers-Motivation & Self-Efficacy - 03/16/2020 10:15am to 11:45am
Ellen M. Granger	ST8:SC-Papers-Context in Professional Development - 03/16/2020 08:30am to 10:00am
Elliott J Karetny	ST14:SC-Papers-Environmental and social responsibility - 03/18/2020 08:30am to 10:00am
Elyssa Eiring	ST10:SC-Papers-Novel Approaches to Science Assessment - 03/15/2020 04:20pm to 05:50pm
Elon Langbeheim	ST12:SC-Papers-Technology Tools to Support Scientific Thinking - 03/15/2020 02:40pm to 04:10pm,ST2:S-Epistemic aspects of engagement in novel contexts of learning physics - 03/17/2020 08:00am to 09:30am
Elsa K. Bailey	ST7:SC-Papers-Practice-based Science Teaching - 03/17/2020 03:30pm to 05:00pm
Emil Eidin	ST2:RP-Characterizing computational thinking in the context of technology-enhanced multilevel system modeling - 03/16/2020 10:15am to 11:45am,ST8:RP-Teachers' beliefs, perceptions and knowledge of Socioscientific Issues for global citizenship - 03/18/2020 08:30am to 10:00am
Emilie A. Siverling	ST10:SC-Papers-Integration of STEM disciplines - 03/18/2020 01:00pm to 02:30pm
Emily A. Dare	ST2:SC-Papers-Moves in Teaching & Discourse - 03/16/2020 01:15pm to 02:45pm
Emily C. Allen	ST5:SC-Papers-Using representations to learn science - 03/18/2020 08:30am to 10:00am
Emily C. Miller	ST10:RP-Productively Engaging 'Community' in Project-Based Learning: Approaches to Supporting Meaningful Science Learning in Formal Classrooms - 03/16/2020 01:15pm to 02:45pm,ST3:SC-Papers-Early Childhood Scientific Thinking - 03/18/2020 08:30am to 10:00am
Emily G. Schoerning	ST16:AS-NSTA's Annual Research Worth Reading Recognition - 03/18/2020 10:30am to 12:00pm
Emily Harris	ST2:SC-Papers-Motivating Youth Engagement - 03/18/2020 08:30am to 10:00am
Emily J. Borda	ST10:SC-Papers-Assessing scientific concepts across disciplines - 03/17/2020 03:30pm to 05:00pm
Emily M. Cayton	ST6:SC-Papers-Family engagement in informal science experiences - 03/16/2020 08:30am to 10:00am
Emily Reigh	ST2:RP-Improving Guidance for Classroom Argumentation in Science Inquiry - 03/15/2020 04:20pm to 05:50pm

Emily Sprowls	ST11:RP-Exploring Science Identities through the lenses of Possible Selves - 03/16/2020 08:30am to 10:00am
Emma Anderson	ST12:SC-Papers-Breakthroughs in Online Learning - 03/17/2020 03:30pm to 05:00pm
Emma Goodwin	ST16:AS-Sandra Sandra K. Abell Institute for Doctoral Students - 03/17/2020 08:00am to 09:30am
Emma J. Refvem	ST6:SC-Papers-Museum participant experiences - 03/16/2020 10:15am to 11:45am
Enrique Pareja	ST7:SC-Papers-Shifting the Teaching Paradigm - 03/17/2020 08:00am to 09:30am
Erdogan Kaya	ST13:SC-Papers-Nature of Engineering - 03/16/2020 10:15am to 11:45am
Eric Brewe	ST11:SC-Papers-Considerations for Girls & Women in Science and Engineering - 03/17/2020 03:30pm to 05:00pm
Eric Greenwald	ST10:SC-Papers-Investigation of Teacher Knowledge - 03/18/2020 08:30am to 10:00am
Eric N. Wiebe	ST10:SC-Papers-Analysis and Evaluation of Science Curricula - 03/17/2020 08:00am to 09:30am,ST12:SC-Papers-Teaching with Technology - 03/18/2020 01:00pm to 02:30pm
Eric Nolan	ST12:SC-Papers-Teaching with Technology - 03/18/2020 01:00pm to 02:30pm
Eric Picholle	ST1:SC-Papers-Student Understandings about Energy and Light - 03/17/2020 01:45pm to 03:15pm
Eric R. Banilower	ST3:RP-Elementary Science Instruction in the US: Warning Signs and Ways Forward - 03/16/2020 01:15pm to 02:45pm,ST4:S-Secondary Science Teaching in the US: Current Status, Trends over Time, and Factors Affecting Instruction - 03/16/2020 08:30am to 10:00am
Eric Reynolds	ST11:RP-Creating Space for the Inclusion of Social Justice within Engineering Learning Environments - 03/15/2020 02:40pm to 04:10pm
Erik Arevalo	ST7:SC-Papers-Accessing Funds of Knowledge to Enhance Instruction - 03/15/2020 04:20pm to 05:50pm
Erik Barendsen	ST1:SC-Papers-Supporting Understanding with Mathematics and Computational Thinking - 03/16/2020 08:30am to 10:00am,ST4:SC-Papers-Socioscientific issues in the science classroom - 03/16/2020 10:15am to 11:45am,ST4:SC-Papers-Formative Assessment tools and practices - 03/17/2020 09:45am to 11:15am
Erika Offerdahl	ST5:SC-Papers-Fostering students' communication and argumentation - 03/16/2020 10:15am to 11:45am,ST2:SC-Papers-Argumentation & Sense-Making - 03/17/2020 03:30pm to 05:00pm
Erin Bridges Bird	ST2:SC-Papers-Motivating Youth Engagement - 03/18/2020 08:30am to 10:00am
Erin E. Peters-Burton	ST15:SC-Papers-Examining Models of Change in STEM Education - 03/16/2020 01:15pm to 02:45pm,ST7:SC-Papers-Preservice Teachers Perceptions of Engineering - 03/18/2020 10:30am to 12:00pm
Erin L. Dolan	ST16:AS-How to Get Your Research Published in Science Education Journals PAC Symposium - 03/17/2020 08:00am to 09:30am
Erin Leckey	ST6:SC-Papers-Science learning through non-traditional ISL experiences - 03/18/2020 08:30am to 10:00am
Erin Stafford	ST6:RP-Storybooks and STEM: Using Books as a Tool to Support Early Childhood Family STEM Learning - 03/17/2020 03:30pm to 05:00pm
Estelle Blanquet	ST1:SC-Papers-Student Understandings about Energy and Light - 03/17/2020 01:45pm to 03:15pm
Estelle Desjarlais	ST14:SC-Papers-Place-based and community-based education - 03/16/2020 08:30am to 10:00am
Esther Magen	ST8:SC-Papers-Professional Learning Communities - 03/17/2020 01:45pm to 03:15pm
Etopio Etopio	ST1:AS-Developing Science Literacy and the Potential for Conceptual Change - 03/16/2020 08:30am to 10:00am
Etty Dagan	ST8:RP-Teachers' beliefs, perceptions and knowledge of Socioscientific Issues for global citizenship - 03/18/2020 08:30am to 10:00am
Eugene Judson	ST11:SC-Papers-Counterspaces and Critical Considerations in University Settings - 03/18/2020 10:30am to 12:00pm
Euisuk Sung	ST2:SC-Papers-Moves in Teaching & Discourse - 03/16/2020 01:15pm to 02:45pm,ST2:SC-Papers-Teacher Perspectives, Contexts, Networks, & Roles - 03/17/2020 09:45am to 11:15am
Eun Ah Lee	ST5:SC-Papers-Developing students' contemporary practices - 03/17/2020 09:45am to 11:15am
Eunhang Lee	ST13:SC-Papers-SSI and NOS - 03/17/2020 09:45am to 11:15am
Eunjeong Kim	ST4:SC-Papers-STEM integration across disciplines - 03/15/2020 02:40pm to 04:10pm
Eva Silfver	ST16:AS-Promoting an International Focus on Research and Science Teacher Education to Improve Science and Special Education - 03/17/2020 03:30pm to 05:00pm
Evangelina Stefanakis	ST15:SC-Papers-Understanding and Supporting STEM Education Improvement Efforts Within Schools and Districts - 03/16/2020 10:15am to 11:45am
Eve Manz	ST3:RP-Engaging Young Children in Science and Engineering Practices: Approaches to Research and Design - 03/17/2020 08:00am to 09:30am
Ezgi Yesilyurt	ST13:SC-Papers-Nature of Engineering - 03/16/2020 10:15am to 11:45am,ST16:AS-Sandra Sandra K. Abell Institute for Doctoral Students - 03/17/2020 08:00am to 09:30am,ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
Fabienne Goldfarb	ST1:SC-Papers-Student Understandings about Energy and Light - 03/17/2020 01:45pm to 03:15pm

Fady Maalouf	ST1:SC-Papers-Student Learning - 03/17/2020 09:45am to 11:15am
Faith Freeman	ST11:SC-Papers-Commitment to Equity & Social Justice for Girls and Women of Color in STEM - 03/17/2020 01:45pm to 03:15pm
FangFang Zhao	ST5:SC-Papers-Student metacognition and systems thinking - 03/16/2020 01:15pm to 02:45pm,ST16:AS-Sandra Sandra K. Abell Institute for Doctoral Students - 03/17/2020 08:00am to 09:30am
Faris Alsuliman	ST7:SC-Papers-Preservice Teacher Journaling and Reflection - 03/18/2020 08:30am to 10:00am
Fatima Bousadra	ST14:SC-Papers-Place-based and community-based education - 03/16/2020 08:30am to 10:00am
Fatma Kaya	ST7:SC-Papers-Preservice teachers' self-efficacy in engineering - 03/15/2020 02:40pm to 04:10pm,ST1:SC-Papers-Understanding of Climate and Natural Systems - 03/18/2020 08:30am to 10:00am,ST8:SC-Papers-Professional Development to Support Induction of New Science Teachers - 03/18/2020 10:30am to 12:00pm
Felicia DT Leammukda	ST11:SC-Papers- Partnerships and STEM Learning Experiences Across (In)formal Contexts - 03/17/2020 08:00am to 09:30am
Felicia Moore Mensah	ST2:SC-Papers-Interest, Identity, & Empathy - 03/15/2020 04:20pm to 05:50pm,ST11:RP-Spaces of Agency: Centering teacher agency and expanding contexts for equitable science teaching and learning - 03/16/2020 10:15am to 11:45am,ST16:AS-Publishing, Reviewing and Writing for the Journal of Research in Science Teaching: Lessons Learned and New Visions - 03/16/2020 01:15pm to 02:45pm,ST11:SC-Papers-Commitment to Equity & Social Justice for Girls and Women of Color in STEM - 03/17/2020 01:45pm to 03:15pm,ST7:SC-Papers-Preservice Teacher Journaling and Reflection - 03/18/2020 08:30am to 10:00am
Felisha Herrera	ST11:SC-Papers-Persistence & Retention Strategies for Underrepresented Populations in STEM - 03/16/2020 08:30am to 10:00am
FESTUS OSASUMWEN IDIAGHE	ST2:SC-Papers-Interest, Identity, & Empathy - 03/15/2020 04:20pm to 05:50pm
Fetiye Aydeniz	ST9:SC-Papers-Teachers' Beliefs and Identity in Their Reflective Practices - 03/18/2020 01:00pm to 02:30pm
Florencia Gomez Zaccarelli	ST2:RP-Improving Guidance for Classroom Argumentation in Science Inquiry - 03/15/2020 04:20pm to 05:50pm
Florian Böschl	ST3:SC-Papers-Teacher knowledge, beliefs, & use of science practices with students - 03/15/2020 02:40pm to 04:10pm
Florian J. Stern	ST1:RP-Recent Trends in Genetics Education Research - 03/15/2020 04:20pm to 05:50pm
Fouad Abd-El-khalick	ST13:SC-Papers-Nature of Scientific Practices - 03/16/2020 08:30am to 10:00am,ST16:AS-Publishing, Reviewing and Writing for the Journal of Research in Science Teaching: Lessons Learned and New Visions - 03/16/2020 01:15pm to 02:45pm
Frackson Mumba	ST7:SC-Papers-Building Preservice Teacher Capacity through Stakeholders - 03/16/2020 10:15am to 11:45am,ST4:SC-Papers-Intersecting Earth science and Engineering concept in the classroom - 03/18/2020 08:30am to 10:00am
Francesca Williamson	ST16:AS-Methods RIG - 03/17/2020 01:45pm to 03:15pm,ST16:AS-Sandra Sandra K. Abell Institute for Doctoral Students - 03/17/2020 08:00am to 09:30am
Franciani Cássia Sentanin	ST6:SC-Papers-Science learning in museums and zoos - 03/17/2020 03:30pm to 05:00pm
Franco La Braca	ST1:SC-Papers-New approaches to Learning - 03/17/2020 08:00am to 09:30am
Franz X. Bogner	ST14:SC-Papers-Environmental Education - learner's perspective - 03/15/2020 04:20pm to 05:50pm,ST14:SC-Papers-Citizen engagement: Between attitudes and behavior - 03/18/2020 01:00pm to 02:30pm
Frikkie George	ST1:SC-Papers-New approaches to Learning - 03/17/2020 08:00am to 09:30am
G. Michael Bowen	ST15:SC-Papers-Examining Models of Change in STEM Education - 03/16/2020 01:15pm to 02:45pm,ST16:AS-NSTA's Annual Research Worth Reading Recognition - 03/18/2020 10:30am to 12:00pm
Gabriel Critquit-Matos	ST5:SC-Papers-Student metacognition and systems thinking - 03/16/2020 01:15pm to 02:45pm
Gabriella Anton	ST8:SC-Papers-Professional Development using Computational Thinking and Robotics - 03/17/2020 08:00am to 09:30am
Gail Jones	ST6:SC-Papers-Museum participant experiences - 03/16/2020 10:15am to 11:45am,ST16:AS-How to Get Your Research Published in Science Education Journals PAC Symposium - 03/17/2020 08:00am to 09:30am
M. Gail Jones	ST6:SC-Papers-Family engagement in informal science experiences - 03/16/2020 08:30am to 10:00am
Gail Richmond	ST4:SC-Papers-Teacher learning, efficacy and practice - 03/16/2020 01:15pm to 02:45pm,ST16:AS-How to Get Your Research Published in Science Education Journals PAC Symposium - 03/17/2020 08:00am to 09:30am,ST8:S-Equity and Elementary Science Teaching & Learning - 03/17/2020 01:45pm to 03:15pm
Gary W. Wright III	ST7:SC-Papers-Making Instructional Decisions: Assessment and edTPA - 03/17/2020 09:45am to 11:15am
Gary Weiser	ST10:SC-Papers-Novel Approaches to Science Assessment - 03/15/2020 04:20pm to 05:50pm
Gavin W. Fulmer	ST14:RP-Modelling, Assessment, and Promotion of Climate Literacy - 03/17/2020 03:30pm to 05:00pm,ST8:RP-Looking Beyond Routines to Study How Teachers Develop Adaptive Expertise with Epistemic Tools - 03/17/2020 09:45am to 11:15am,ST10:SC-Papers-Investigation of Teacher Knowledge - 03/18/2020 08:30am to 10:00am
Gaye Defne Ceyhan	ST16:AS-Sandra Sandra K. Abell Institute for Doctoral Students - 03/17/2020 08:00am to 09:30am

Gayle N. Evans	ST8:SC-Papers-Professional Development to Support Curriculum Design - 03/15/2020 04:20pm to 05:50pm, ST8:SC-Papers-Research Experiences for Teachers - 03/18/2020 01:00pm to 02:30pm
Geeta Veerma	ST11:S-Critical Views of Science Education Research in Linguistically and Culturally Diverse Contexts - 03/16/2020 08:30am to 10:00am, ST6:AS-Igniting Informal Science - 03/15/2020 02:40pm to 04:10pm,ST16:AS-How to Get Your Research Published in Science Education Journals PAC Symposium - 03/17/2020 08:00am to 09:30am,ST11:SC-Papers-Considerations for Girls & Women in Science and Engineering - 03/17/2020 03:30pm to 05:00pm
Gena C. Sbeglia	ST5:SC-Papers-Investigating faculty change - 03/16/2020 08:30am to 10:00am
Getachew T Zegeye	ST4:SC-Papers-Formative Assessment tolls and practices - 03/17/2020 09:45am to 11:15am
Gey-Hong Gweon	ST10:RP-Automated Assessment of Argumentation in School Science: Developments and Challenges - 03/15/2020 02:40pm to 04:10pm,ST12:RP-Technology-Enhanced Framing of Data to Facilitate Classroom Enactment of Science Practices - 03/17/2020 01:45pm to 03:15pm
Gili Marbach-Ad	ST5:SC-Papers-Postsecondary educators' perceptions, planning, and practices - 03/15/2020 04:20pm to 05:50pm
Gillian Roehrig	ST8:SC-Papers-Professional Development to Support Curriculum Design - 03/15/2020 04:20pm to 05:50pm,ST2:SC-Papers-Moves in Teaching & Discourse - 03/16/2020 01:15pm to 02:45pm,ST8:SC-Papers-Teacher Identity - 03/16/2020 01:15pm to 02:45pm,ST11:SC-Papers- Partnerships and STEM Learning Experiences Across (In)formal Contexts - 03/17/2020 08:00am to 09:30am,ST8:RP-Scaling an Effective Analysis-of-Practice PD Program in Two High-Needs Districts: Impacts, Successes, and Challenges - 03/17/2020 03:30pm to 05:00pm,ST9:SC-Papers-Teachers' Beliefs and Identity in Their Reflective Practices - 03/18/2020 01:00pm to 02:30pm
Gillian U. Bayne	ST11:SC-Papers-Persistence & Retention Strategies for Underrepresented Populations in STEM - 03/16/2020 08:30am to 10:00am,ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
Gina Childers	ST6:SC-Papers-Science learning through non-traditional ISL experiences - 03/18/2020 08:30am to 10:00am
Gina Svarovsky	ST2:S-Early Childhood Engineering: Supporting Engineering Design Practices with Young Children and Their Families - 03/17/2020 08:00am to 09:30am,ST6:RP-Storybooks and STEM: Using Books as a Tool to Support Early Childhood Family STEM Learning - 03/17/2020 03:30pm to 05:00pm
Ginger V Shultz	ST5:RP-The Impact of Chemistry Education Research on Theory Development, Classroom Improvements, and Pre-Service Teacher Training - 03/17/2020 08:00am to 09:30am
Glenn Dolphin	ST13:SC-Papers-Learning of NOS - 03/15/2020 04:20pm to 05:50pm,ST16:AS-Methods RIG - 03/17/2020 01:45pm to 03:15pm
Golnaz Arastoopour Irgens	ST1:SC-Papers-Understandings about Genetics, Evolution, and Natural Selection - 03/18/2020 10:30am to 12:00pm
Grace Elizabeth Baker	ST5:SC-Papers-Student understandings and perceptions of evolution - 03/17/2020 08:00am to 09:30am,ST5:SC-Papers-Using representations to learn science - 03/18/2020 08:30am to 10:00am
Grant Gardner	ST16:AS-Sandra Sandra K. Abell Institute for Doctoral Students - 03/17/2020 08:00am to 09:30am,ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am,ST5:SC-Papers-Empowering emerging postsecondary educators - 03/18/2020 08:30am to 10:00am
Grant Williams	ST2:SC-Papers-Modeling and Model-Based Teaching - 03/16/2020 08:30am to 10:00am
Grant Wilson	ST3:SC-Papers-Early Childhood Scientific Thinking - 03/18/2020 08:30am to 10:00am
Greg Novacek	ST8:SC-Papers-Professional Development to Support Curriculum Design - 03/15/2020 04:20pm to 05:50pm
Greg Rushton	ST8:SC-Papers-Teacher Identity - 03/16/2020 01:15pm to 02:45pm
Gregor Torkar	ST14:SC-Papers-Citizen engagement: Between attitudes and behavior - 03/18/2020 01:00pm to 02:30pm
Gregory J. Kelly	ST13:SC-Papers-Nature of Scientific Practicies - 03/16/2020 08:30am to 10:00am
Gregory Newman	ST14:SC-Papers-Citizen engagement: Between attitudes and behavior - 03/18/2020 01:00pm to 02:30pm
Gregory Rushton	ST16:AS-Sandra Sandra K. Abell Institute for Doctoral Students - 03/17/2020 08:00am to 09:30am,ST8:SC-Papers-Teacher Learning in the Physical Sciences - 03/18/2020 10:30am to 12:00pm
Greses Anabell Perez	ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
Greses Pérez	ST11:RP-Creating Space for the Inclusion of Social Justice within Engineering Learning Environments - 03/15/2020 02:40pm to 04:10pm,ST11:SC-Papers-Using Critical Frameworks to Disrupt Deficit Perspectives of Latinx Teachers, Students, and Communities - 03/17/2020 09:45am to 11:15am
Guanhua Chen	ST12:SC-Papers-Digital Tools: Research and Demonstration Showcase - 03/18/2020 10:30am to 12:00pm
Gunkut Mesci	ST7:SC-Papers-Preservice Teacher as Scholars and Professionals - 03/18/2020 01:00pm to 02:30pm
Guopeng Fu	ST4:SC-Papers-Science across contexts - 03/17/2020 01:45pm to 03:15pm
Gwen Marchand	ST4:SC-Papers-NGSS - Practices and Implementation - 03/17/2020 03:30pm to 05:00pm
Gwendolyn Mirzoyan	ST6:SC-Papers-Science interest and identity formation in informal spaces - 03/17/2020 08:00am to 09:30am
Gwendolynne Reid	ST6:SC-Papers-Science interest and identity formation in informal spaces - 03/17/2020 08:00am to 09:30am
Gyeong-Geon Lee	ST10:SC-Papers-Analysis and Evaluation of Science Curricula - 03/17/2020 08:00am to 09:30am

Hagit Hel-Or	ST12:SC-Papers-Technology Tools to Support Scientific Thinking - 03/15/2020 02:40pm to 04:10pm
Hagit Shasha Sharf	ST14:SC-Papers-Environmental Education - educator's perspective - 03/15/2020 02:40pm to 04:10pm
Hailey Iacono	ST11:RP-Exploring Science Identities through the lenses of Possible Selves - 03/16/2020 08:30am to 10:00am
Haley Harville-York	ST8:SC-Papers-Teacher Learning in the Physical Sciences - 03/18/2020 10:30am to 12:00pm
Hamza Mailik	ST14:SC-Papers-Environmental Education - educator's perspective - 03/15/2020 02:40pm to 04:10pm
Hanan Abdo	ST7:SC-Papers-Preservice Teacher Journaling and Reflection - 03/18/2020 08:30am to 10:00am
Hanan Kohen	ST12:SC-Papers-Breakthroughs in Online Learning - 03/17/2020 03:30pm to 05:00pm
Hanna Stammes	ST4:SC-Papers-Formative Assessment tolls and practices - 03/17/2020 09:45am to 11:15am
Hannah Greving	ST6:SC-Papers-Science interest and identity formation in informal spaces - 03/17/2020 08:00am to 09:30am
Hannah Huvad	ST5:SC-Papers-Tools and frameworks to measure students' success and struggles - 03/17/2020 01:45pm to 03:15pm
Hannah Sevia	ST4:SC-Papers-Formative Assessment tolls and practices - 03/17/2020 09:45am to 11:15am,ST5:SC-Papers-Tools and frameworks to measure students' success and struggles - 03/17/2020 01:45pm to 03:15pm,ST5:SC-Papers-Using representations to learn science - 03/18/2020 08:30am to 10:00am
Hanno Michel	ST14:RP-Modelling, Assessment, and Promotion of Climate Literacy - 03/17/2020 03:30pm to 05:00pm
Hannoori Jeong	ST11:SC-Papers-Exploring Feminism and Materialism in Science Education - 03/18/2020 08:30am to 10:00am
Harini Krishnan	ST2:SC-Papers-Moves in Teaching & Discourse - 03/16/2020 01:15pm to 02:45pm,ST16:AS-Methods RIG - 03/17/2020 01:45pm to 03:15pm,ST2:SC-Papers-Argumentation & Sense-Making - 03/17/2020 03:30pm to 05:00pm
Harleen Singh	ST4:SC-Papers-Teacher learning, efficacy and practice - 03/16/2020 01:15pm to 02:45pm,ST16:AS-Sandra Sandra K. Abell Institute for Doctoral Students - 03/17/2020 08:00am to 09:30am
Harvey Henson	ST8:SC-Papers-Assessment to Support NGSS Implementation - 03/15/2020 02:40pm to 04:10pm
Hasan Bag	ST8:SC-Papers-Argumentation in STEM Education - 03/17/2020 09:45am to 11:15am
Hasan Deniz	ST13:SC-Papers-Nature of Engeneering - 03/16/2020 10:15am to 11:45am
Hasida Yakobov	ST8:SC-Papers-Professional Learning Communities - 03/17/2020 01:45pm to 03:15pm
Hatice Aydogmus	ST2:SC-Papers-The Chemistry Learning Environment - 03/15/2020 02:40pm to 04:10pm
Hatice Ozen Tasdemir	ST7:SC-Papers-Preservice Teacher Recruitment - 03/17/2020 01:45pm to 03:15pm
Hayat Hokayem	ST1:SC-Papers-Student Learning - 03/17/2020 09:45am to 11:15am,ST16:AS-NSTA's Annual Research Worth Reading Recognition - 03/18/2020 10:30am to 12:00pm
Heather B. Page	ST11:SC-Papers-Exploring Feminism and Materialism in Science Education - 03/18/2020 08:30am to 10:00am
Heather Boyle	ST11:RP-Spaces of Agency: Centering teacher agency and expanding contexts for equitable science teaching and learning - 03/16/2020 10:15am to 11:45am
Heather F. Clark	ST1:SC-Papers-Understanding of Climate and Natural Systems - 03/18/2020 08:30am to 10:00am,ST8:SC-Papers-Teacher Learning in the Biological/Environmental Sciences - 03/18/2020 01:00pm to 02:30pm
Heather Howell	ST3:SC-Papers-Teacher knowledge, beliefs, & use of science practices with students - 03/15/2020 02:40pm to 04:10pm
Heather J. Johnson	ST8:S-Equity and Elementary Science Teaching & Learning - 03/17/2020 01:45pm to 03:15pm
Heather K. Harkins	ST10:SC-Papers-Novel Approaches to Science Assessment - 03/15/2020 04:20pm to 05:50pm
Heather Killen	ST7:SC-Papers-Preservice Teaching Practices - 03/16/2020 10:15am to 11:45am
Heather Toomey Zimmerman	ST6:SC-Papers-Family engagement in informal science experiences - 03/16/2020 08:30am to 10:00am
Heather Young	ST10:RP-Design, Development, and Testing of a Media-Rich Three-dimensional Middle School Science Unit - 03/18/2020 08:30am to 10:00am
Heba El-Deghaidy	ST14:SC-Papers-Environmental and social responsibility - 03/18/2020 08:30am to 10:00am
Hee-Sun Lee	ST10:RP-Automated Assessment of Argumentation in School Science: Developments and Challenges - 03/15/2020 02:40pm to 04:10pm,ST12:RP-Technology-Enhanced Framing of Data to Facilitate Classroom Enactment of Science Practices - 03/17/2020 01:45pm to 03:15pm
Heena R. Lakhani	ST16:AS-Sandra Sandra K. Abell Institute for Doctoral Students - 03/17/2020 08:00am to 09:30am,ST10:SC-Papers-Investigation of Teacher Knowledge - 03/18/2020 08:30am to 10:00am
Heesoo Ha	ST2:SC-Papers-Agency - 03/17/2020 01:45pm to 03:15pm,ST4:SC-Papers-NGSS - Practices and Implementation - 03/17/2020 03:30pm to 05:00pm,ST7:SC-Papers-Preservice Teachers Perceptions of Engineering - 03/18/2020 10:30am to 12:00pm
HEESUN YANG	ST2:SC-Papers-Interest, Identity, & Empathy - 03/15/2020 04:20pm to 05:50pm
Heidi B. Carlone	ST14:SC-Papers-Environmental and social responsibility - 03/18/2020 08:30am to 10:00am

Heidi Ballard	ST16:AS-Citizen Science - an International and Integrative Look at a Scientific and Educational Method - 03/16/2020 10:15am to 11:45am,ST6:SC-Papers-Science learning in museums and zoos - 03/17/2020 03:30pm to 05:00pm,ST2:SC-Papers-Motivating Youth Engagement - 03/18/2020 08:30am to 10:00am
Heidi Cian	ST4:SC-Papers-Socioscientific issues in the science classroom - 03/16/2020 10:15am to 11:45am,ST6:SC-Papers-Family engagement in informal science experiences - 03/16/2020 08:30am to 10:00am,ST6:SC-Papers-Learning science in informal science clubs and camps - 03/17/2020 09:45am to 11:15am
Helen Douglass	ST11:S-Critical Views of Science Education Research in Linguistically and Culturally Diverse Contexts - 03/16/2020 08:30am to 10:00am,ST11:SC-Papers-Considerations for Girls & Women in Science and Engineering - 03/17/2020 03:30pm to 05:00pm
Helen Semilarski	ST1:SC-Papers-Engineering Framework - 03/16/2020 10:15am to 11:45am,ST1:SC-Papers-New approaches to Learning - 03/17/2020 08:00am to 09:30am
Helena Aptyka	ST1:SC-Papers-Understandings about Genetics, Evolution, and Natural Selection - 03/18/2020 10:30am to 12:00pm
Helena Van Vorst	ST2:SC-Papers-The Chemistry Learning Environment - 03/15/2020 02:40pm to 04:10pm
Helin Semilarski	ST10:SC-Papers-Dynamic Relationships between Practices and Knowledge in Science Assessment - 03/18/2020 10:30am to 12:00pm
Henriette T. Holmegaard	ST11:-Storied-Identities as a Lens to Studying Science Identity - 03/16/2020 01:15pm to 02:45pm,ST11:RP-Exploring Science Identities through the lenses of Possible Selves - 03/16/2020 08:30am to 10:00am
Heui-Baik Kim	ST2:SC-Papers-Agency - 03/17/2020 01:45pm to 03:15pm
Hila Shefet	ST10:RP-Productively Engaging 'Community' in Project-Based Learning: Approaches to Supporting Meaningful Science Learning in Formal Classrooms - 03/16/2020 01:15pm to 02:45pm
Hilal Yanis	ST12:SC-Papers-New Methods of Measurement and Analysis to Move the Field Forward - 03/18/2020 08:30am to 10:00am
Hilda Borko	ST2:RP-Improving Guidance for Classroom Argumentation in Science Inquiry - 03/15/2020 04:20pm to 05:50pm
Hillary A. Barron	ST5:SC-Papers-Frameworks of TA learning and development as educators - 03/15/2020 02:40pm to 04:10pm
Hoda Ehsan	ST2:S-Early Childhood Engineering: Supporting Engineering Design Practices with Young Children and Their Families - 03/17/2020 08:00am to 09:30am
Hong T. Tran	ST1:SC-Papers-Modeling - 03/16/2020 01:15pm to 02:45pm
Hosun Kang	ST11:RP-Learning from Minoritized Youths' Experiences and Promoting Equitable Science Teaching through Research-Practice Partnership - 03/16/2020 01:15pm to 02:45pm
Hsiang-Ting Chen	ST2:SC-Papers-Inquiry Science Learning - 03/18/2020 01:00pm to 02:30pm
Hsin-Hui Wang	ST2:SC-Papers-Socioscientific Reasoning, Decision-Making, & Discourse - 03/15/2020 04:20pm to 05:50pm,ST2:SC-Papers-Inquiry Science Learning - 03/18/2020 01:00pm to 02:30pm
Huann-Shyang Lin	ST3:SC-Papers-Supporting elementary & early childhood STEM learning - 03/15/2020 04:20pm to 05:50pm,ST5:SC-Papers-Student metacognition and systems thinking - 03/16/2020 01:15pm to 02:45pm,ST6:SC-Papers-Museum participant experiences - 03/16/2020 10:15am to 11:45am,ST2:SC-Papers-Inquiry Science Learning - 03/18/2020 01:00pm to 02:30pm
Hui-Hui Wang	ST10:SC-Papers-Integration of STEM disciplines - 03/18/2020 01:00pm to 02:30pm
Hui Jin	ST1:SC-Papers-Student Learning - 03/17/2020 09:45am to 11:15am,ST14:RP-Modelling, Assessment, and Promotion of Climate Literacy - 03/17/2020 03:30pm to 05:00pm,ST10:SC-Papers-Dynamic Relationships between Practices and Knowledge in Science Assessment - 03/18/2020 10:30am to 12:00pm
Hui Tang	ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
Huilii Hong	ST1:AS-Developing Science Literacy and the Potential for Conceptual Change - 03/16/2020 08:30am to 10:00am
Hun-Gi Hong	ST10:SC-Papers-Analysis and Evaluation of Science Curricula - 03/17/2020 08:00am to 09:30am
Hye-Eun Chu	ST2:SC-Papers-Perceptual & Conceptual Change - 03/18/2020 10:30am to 12:00pm
Hyun-Jung Cha	ST2:SC-Papers-Modeling and Model-Based Teaching - 03/16/2020 08:30am to 10:00am
I-Chien Chen	ST3:SC-Papers-Teacher instructional practices for equity in the NGSS - 03/18/2020 01:00pm to 02:30pm
Ian Her Many Horses	ST5:SC-Papers-Diverse student perceptions, positioning, and retention in STEM - 03/17/2020 03:30pm to 05:00pm
Ian R Gould	ST5:SC-Papers-Contemporary instructional approaches in postsecondary STEM - 03/17/2020 01:45pm to 03:15pm
Ibrahim Delen	ST7:SC-Papers-Retaining Preservice Physics Teachers - 03/16/2020 08:30am to 10:00am
Idaykis Rodriguez	ST11:SC-Papers-Considerations for Girls & Women in Science and Engineering - 03/17/2020 03:30pm to 05:00pm
Idit Adler	ST10:RP-Productively Engaging 'Community' in Project-Based Learning: Approaches to Supporting Meaningful Science Learning in Formal Classrooms - 03/16/2020 01:15pm to 02:45pm,ST2:SC-Papers-Inquiry Science Learning - 03/18/2020 01:00pm to 02:30pm

Ihsan Ghazal	ST1:SC-Papers-Student Learning - 03/17/2020 09:45am to 11:15am
Ilana Schoenfeld	ST12:SC-Papers-Breakthroughs in Online Learning - 03/17/2020 03:30pm to 05:00pm
Ileana M Greca	ST16:AS-Promoting an International Focus on Research and Science Teacher Education to Improve Science and Special Education - 03/17/2020 03:30pm to 05:00pm
Iliana E. De La Cruz	ST13:SC-Papers-Nature of Engineering - 03/16/2020 10:15am to 11:45am
Imelda L. Nava	ST7:SC-Papers-Science Education and Cultural Access - 03/16/2020 01:15pm to 02:45pm
Imran Tufail	ST4:SC-Papers-Teacher knowledge and implementation - 03/15/2020 04:20pm to 05:50pm
Ineke Henze-Rietveld	ST4:SC-Papers-Socioscientific issues in the science classroom - 03/16/2020 10:15am to 11:45am,ST4:SC-Papers-Formative Assessment tolls and practices - 03/17/2020 09:45am to 11:15am,ST8:RP-Teachers' beliefs, perceptions and knowledge of Socioscientific Issues for global citizenship - 03/18/2020 08:30am to 10:00am
Ira Caspari	ST4:SC-Papers-Formative Assessment tolls and practices - 03/17/2020 09:45am to 11:15am
Irene S. Bayer	ST10:RP-Productively Engaging 'Community' in Project-Based Learning: Approaches to Supporting Meaningful Science Learning in Formal Classrooms - 03/16/2020 01:15pm to 02:45pm
Iris Alkafer	ST14:SC-Papers-Environmental Education - educator's perspective - 03/15/2020 02:40pm to 04:10pm
Isabell Rösberg	ST1:RP-Learning and Teaching Evolution in High School: Challenges and Possible Remedies - 03/15/2020 02:40pm to 04:10pm
Isha DeCoito	ST13:SC-Papers-Learning of NOS - 03/15/2020 04:20pm to 05:50pm,ST2:SC-Papers-Students & STEM Careers - 03/18/2020 01:00pm to 02:30pm
Israel Toutou	ST2:RP-Characterizing computational thinking in the context of technology-enhanced multilevel system modeling - 03/16/2020 10:15am to 11:45am
Issam H. Abi-El-mona	ST14:SC-Papers-Environmental and social responsibility - 03/18/2020 08:30am to 10:00am
Ivan Mutis	ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
Ivy Tietsort	ST5:SC-Papers-Postsecondary educators' perceptions, planning, and practices - 03/15/2020 04:20pm to 05:50pm
J. Brian Hancock	ST4:RP-Teaching for Science Literacy at Scale - 03/16/2020 01:15pm to 02:45pm
J. Bryan Henderson	ST10:SC-Papers-Investigation of Teacher Knowledge - 03/18/2020 08:30am to 10:00am
J. Steve Oliver	ST4:SC-Papers-STEM integration across disciplines - 03/15/2020 02:40pm to 04:10pm
Jack B. Holbrook	ST13:SC-Papers-SSI and NOS - 03/17/2020 09:45am to 11:15am,ST2:SC-Papers-Students & STEM Careers - 03/18/2020 01:00pm to 02:30pm,ST9:SC-Papers-Teacher Efficacy, Ownership, and Practice - 03/18/2020 08:30am to 10:00am
Jack Barbera	ST5:RP-The Impact of Chemistry Education Research on Theory Development, Classroom Improvements, and Pre-Service Teacher Training - 03/17/2020 08:00am to 09:30am
Jacklyn Powers	ST2:SC-Papers-Agency - 03/17/2020 01:45pm to 03:15pm
Jaclyn Bolton	ST14:SC-Papers-Citizen engagement: Between attitudes and behavior - 03/18/2020 01:00pm to 02:30pm
Jaclyn K. Murray	ST3:SC-Papers-Supporting elementary & early childhood STEM learning - 03/15/2020 04:20pm to 05:50pm
Jacob Pleasants	ST13:SC-Papers-Nature of Engineering - 03/16/2020 10:15am to 11:45am,ST15:SC-Papers-Examining Models of Change in STEM Education - 03/16/2020 01:15pm to 02:45pm,ST7:SC-Papers-Preservice Teachers Perceptions of Engineering - 03/18/2020 10:30am to 12:00pm
Jacob Woodbury	ST2:SC-Papers-Argumentation & Sense-Making - 03/17/2020 03:30pm to 05:00pm
Jacqueline H Cole	ST6:SC-Papers-Educating informal science educators - 03/15/2020 04:20pm to 05:50pm
Jacqueline Handley	ST6:SC-Papers-Learning science in informal science clubs and camps - 03/17/2020 09:45am to 11:15am
Jacqueline Horgan	ST6:SC-Papers-Museum participant experiences - 03/16/2020 10:15am to 11:45am
Jacqueline N. Ekeoba	ST7:SC-Papers-Practice-based Science Teaching - 03/17/2020 03:30pm to 05:00pm
Jacquelyn Duran	ST7:SC-Papers-Shifting the Teaching Paradigm - 03/17/2020 08:00am to 09:30am
Jaila Williams	ST11:SC-Papers- Partnerships and STEM Learning Experiences Across (In)formal Contexts - 03/17/2020 08:00am to 09:30am
Jaime Park	ST7:SC-Papers-Science Education and Cultural Access - 03/16/2020 01:15pm to 02:45pm
Jair Aguilar	ST11:SC-Papers-Using Critical Frameworks to Disrupt Deficit Perspectives of Latinx Teachers, Students, and Communities - 03/17/2020 09:45am to 11:15am
Jakayla Clyburn	ST5:SC-Papers-Faculty positioning and partnerships to support teaching - 03/18/2020 01:00pm to 02:30pm
James F. Kisiel	ST7:SC-Papers-Informal Science Education and Socioscientific Issues - 03/17/2020 08:00am to 09:30am
James Holly	ST11:RP-Creating Space for the Inclusion of Social Justice within Engineering Learning Environments - 03/15/2020 02:40pm to 04:10pm
James Klock	ST11:-Grappling with Coming Closer to Equity and Justice in Science Education: Students and Teachers Pondering Identities, Engaging in Multimodal Representations, and Pursuing Critical Hope - 03/16/2020 10:15am to 11:45am

James Nyachwaya	ST16:AS-Addressing Issues of Equity and Justice across Places and Context in Science - 03/15/2020 02:40pm to 04:10pm,ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
James Pellegrino	ST10:SC-Papers-Novel Approaches to Science Assessment - 03/15/2020 04:20pm to 05:50pm,ST10:S-Automated Scoring of Complex Performances - 03/17/2020 03:30pm to 05:00pm
Jamie N. Mikeska	ST3:SC-Papers-Teacher knowledge, beliefs, & use of science practices with students - 03/15/2020 02:40pm to 04:10pm,ST10:SC-Papers-Investigation of Teacher Knowledge - 03/18/2020 08:30am to 10:00am
Jamie Ramage	ST16:AS-Research Practice Partnerships: Collaborations toward equitable STEM education research, reform, and implementation - 03/16/2020 08:30am to 10:00am
Jamie Wallace	ST11:SC-Papers-Centering Race, Whiteness, and Cultural Responsiveness in Science Education - 03/17/2020 09:45am to 11:15am
Jan Apotheker	ST10:SC-Papers-Assessing scientific concepts across disciplines - 03/17/2020 03:30pm to 05:00pm
Jan H. Van Driel	ST10:S-What is the science curriculum of today and the future? - 03/18/2020 01:00pm to 02:30pm
Jana L. Bouwma-Gearhart	ST15:SC-Papers-Examining Models of Change in STEM Education - 03/16/2020 01:15pm to 02:45pm,ST5:SC-Papers-Investigating faculty change - 03/16/2020 08:30am to 10:00am,ST5:SC-Papers-Developing students' contemporary practices - 03/17/2020 09:45am to 11:15am
Janan Saba	ST12:SC-Papers-Technology Tools to Support Scientific Thinking - 03/15/2020 02:40pm to 04:10pm
Jane J. Lee	ST7:SC-Papers-Accessing Funds of Knowledge to Enhance Instruction - 03/15/2020 04:20pm to 05:50pm
Janelle M. Bailey	ST7:SC-Papers-Shifting the Teaching Paradigm - 03/17/2020 08:00am to 09:30am,ST1:SC-Papers-Understanding of Climate and Natural Systems - 03/18/2020 08:30am to 10:00am
Janina Jördens	ST1:RP-Learning and Teaching Evolution in High School: Challenges and Possible Remedies - 03/15/2020 02:40pm to 04:10pm
Jared Tenbrink	ST11:SC-Papers-Embracing Indigenous Knowledge of the African Diaspora and Tribal Communities - 03/18/2020 01:00pm to 02:30pm
Jarod Kawasaki	ST8:SC-Papers-Teacher Learning in the Biological/Environmental Sciences - 03/18/2020 01:00pm to 02:30pm
Jasmine McBeath Nation	ST11:RP-Learning from Minoritized Youths' Experiences and Promoting Equitable Science Teaching through Research-Practice Partnership - 03/16/2020 01:15pm to 02:45pm
Jason Chen	ST12:RP-Beyond the novelty effect – examining learning affordances of XR educational technologies - 03/17/2020 08:00am to 09:30am
Jason Forsyth	ST7:SC-Papers-Preservice teachers' self-efficacy in engineering - 03/15/2020 02:40pm to 04:10pm
Jason R. Wiles	ST5:SC-Papers-Affordances for students' literacy and engagement in postsecondary biology - 03/16/2020 08:30am to 10:00am,ST5:SC-Papers-Student understandings and perceptions of evolution - 03/17/2020 08:00am to 09:30am
Jay Thomas	ST10:S-Automated Scoring of Complex Performances - 03/17/2020 03:30pm to 05:00pm
Jayma Koval	ST10:SC-Papers-Teachers' Understanding and Use of Science Curriculum and Assessment - 03/15/2020 02:40pm to 04:10pm
Jayson M. Nissen	ST5:SC-Papers-Contemporary instructional approaches in postsecondary STEM - 03/17/2020 01:45pm to 03:15pm,ST5:SC-Papers-Diverse student perceptions, positioning, and retention in STEM - 03/17/2020 03:30pm to 05:00pm
Jazmin Jurkiewicz	ST5:SC-Papers-Investigating faculty change - 03/16/2020 08:30am to 10:00am
Jean-Philippe Aytte-Beaudet	ST2:SC-Papers-Socioscientific Reasoning, Decision-Making, & Discourse - 03/15/2020 04:20pm to 05:50pm,ST14:SC-Papers-Place-based and community-based education - 03/16/2020 08:30am to 10:00am
Jeanette Bartley	ST4:SC-Papers-Inquiry-based instruction and explorative science practices - 03/18/2020 10:30am to 12:00pm
Jeanette Pirlo	ST2:SC-Papers-Characteristics of the Learning Environment - 03/18/2020 08:30am to 10:00am
Jeanna Heuring	ST3:SC-Papers-Early Childhood Scientific Thinking - 03/18/2020 08:30am to 10:00am
Jeanna R. Wieselmann	ST2:SC-Papers-Moves in Teaching & Discourse - 03/16/2020 01:15pm to 02:45pm,ST2:SC-Papers-Characteristics of the Learning Environment - 03/18/2020 08:30am to 10:00am
Jeanne Brunner	ST13:SC-Papers-Teaching of NOS - 03/17/2020 08:00am to 09:30am
Jee Kyung Suh	ST10:SC-Papers-Investigation of Teacher Knowledge - 03/18/2020 08:30am to 10:00am
Jeffery Seitz	ST8:SC-Papers-Approaches to PD to Support Science Teaching - 03/18/2020 10:30am to 12:00pm
Jeffrey Nordine	ST1:SC-Papers-Student Understandings about Energy and Light - 03/17/2020 01:45pm to 03:15pm
Jeffrey Radloff	ST2:RP-Constructing and Receiving Peer Feedback on Engineering Designs: Student Engagement and Pedagogical Supports - 03/18/2020 01:00pm to 02:30pm,ST7:RP-Using Principles of Engineering Design to Advance Elementary Science Teacher Preparation - 03/18/2020 10:30am to 12:00pm
Jeffrey Snowden	ST10:SC-Papers-Analyzing Real-world Data - 03/17/2020 09:45am to 11:15am,ST10:RP-Design, Development, and Testing of a Media-Rich Three-dimensional Middle School Science Unit - 03/18/2020 08:30am to 10:00am

Jeffrey Spencer	ST5:RP-The Impact of Chemistry Education Research on Theory Development, Classroom Improvements, and Pre-Service Teacher Training - 03/17/2020 08:00am to 09:30am
Jenna Hicks	ST5:SC-Papers-Frameworks of TA learning and development as educators - 03/15/2020 02:40pm to 04:10pm
Jennifer A. Schmidt	ST4:SC-Papers-NGSS - Practices and Implementation - 03/17/2020 03:30pm to 05:00pm
Jennifer A. Wilhelm	ST4:SC-Papers-Intersecting Earth science and Engineering concept in the classroom - 03/18/2020 08:30am to 10:00am,ST7:SC-Papers-Preservice Teacher as Scholars and Professionals - 03/18/2020 01:00pm to 02:30pm
Jennifer Adams	ST14:SC-Papers-Environmental Education - learner's perspective - 03/15/2020 04:20pm to 05:50pm,ST11:RP-Spaces of Agency: Centering teacher agency and expanding contexts for equitable science teaching and learning - 03/16/2020 10:15am to 11:45am,ST11:SC-Papers- Partnerships and STEM Learning Experiences Across (In)formal Contexts - 03/17/2020 08:00am to 09:30am
Jennifer C. Parrish	ST13:SC-Papers-Teaching of NOS - 03/17/2020 08:00am to 09:30am,ST7:SC-Papers-Preservice Teachers Perceptions of Engineering - 03/18/2020 10:30am to 12:00pm
Jennifer Chiu	ST3:SC-Papers-Supporting elementary & early childhood STEM learning - 03/15/2020 04:20pm to 05:50pm,ST3:RP-Analyses of Elementary Preservice and Inservice Teachers' Use of Crosscutting Concepts in Plans and Enactments - 03/16/2020 08:30am to 10:00am,ST3:SC-Papers-Teacher instructional practices for equity in the NGSS - 03/18/2020 01:00pm to 02:30pm
Jennifer D. Adams	ST11:-Storied-Identities as a Lens to Studying Science Identity - 03/16/2020 01:15pm to 02:45pm
Jennifer E Bauer	ST2:SC-Papers-Characteristics of the Learning Environment - 03/18/2020 08:30am to 10:00am
Jennifer E Mesiner	ST7:SC-Papers-Preservice Teacher as Scholars and Professionals - 03/18/2020 01:00pm to 02:30pm
Jennifer Gatz	ST11:SC-Papers-Persistence & Retention Strategies for Underrepresented Populations in STEM - 03/16/2020 08:30am to 10:00am
Jennifer H. Doherty	ST5:SC-Papers-Tools and frameworks to measure students' success and struggles - 03/17/2020 01:45pm to 03:15pm
Jennifer Houchins	ST10:SC-Papers-Analysis and Evaluation of Science Curricula - 03/17/2020 08:00am to 09:30am
Jennifer King-Chen	ST2:RP-Improving Guidance for Classroom Argumentation in Science Inquiry - 03/15/2020 04:20pm to 05:50pm
Jennifer L Bankers-Fulbright	ST5:SC-Papers-Postsecondary educators' perceptions, planning, and practices - 03/15/2020 04:20pm to 05:50pm
Jennifer L. Maeng	ST8:SC-Papers-Professional Development to Support Induction of New Science Teachers - 03/18/2020 10:30am to 12:00pm
Jennifer Mancinelli	ST5:SC-Papers-Postsecondary educators' perceptions, planning, and practices - 03/15/2020 04:20pm to 05:50pm
Jennifer Olson	ST8:SC-Papers-Meeting the Content Needs of STEM Educators - 03/16/2020 10:15am to 11:45am
Jennifer Rhodes	ST8:SC-Papers-Assessment to Support NGSS Implementation - 03/15/2020 02:40pm to 04:10pm
Jennifer Schellinger	ST2:SC-Papers-Moves in Teaching & Discourse - 03/16/2020 01:15pm to 02:45pm,ST8:SC-Papers-Context in Professional Development - 03/16/2020 08:30am to 10:00am,ST2:SC-Papers-Argumentation & Sense-Making - 03/17/2020 03:30pm to 05:00pm
Jennifer Tripp	ST11:SC-Papers-Promoting Inclusion in Culturally and Linguistically Diverse Science Classrooms - 03/16/2020 10:15am to 11:45am,ST2:SC-Papers-Inquiry Science Learning - 03/18/2020 01:00pm to 02:30pm
Jennifer Van Reet	ST2:SC-Papers-Characteristics of the Learning Environment - 03/18/2020 08:30am to 10:00am
Jenny D. Ingber	ST6:SC-Papers-Museum participant experiences - 03/16/2020 10:15am to 11:45am
Jenny McGlone	ST14:SC-Papers-Environmental and social responsibility - 03/18/2020 08:30am to 10:00am
Jenny P. Quintana Cifuentes	ST1:SC-Papers-Engineering Framework - 03/16/2020 10:15am to 11:45am
Jens Möller	ST1:RP-Learning and Teaching Evolution in High School: Challenges and Possible Remedies - 03/15/2020 02:40pm to 04:10pm
Jeongho Daniel Cha	ST16:AS-Promoting an International Focus on Research and Science Teacher Education to Improve Science and Special Education - 03/17/2020 03:30pm to 05:00pm
Jerome M. Shaw	ST7:SC-Papers-Building Preservice Teacher Capacity through Stakeholders - 03/16/2020 10:15am to 11:45am
Jessica Andrews-Todd	ST12:RP-Technology-Enhanced Framing of Data to Facilitate Classroom Enactment of Science Practices - 03/17/2020 01:45pm to 03:15pm
Jessica Dewey	ST5:SC-Papers-Frameworks of TA learning and development as educators - 03/15/2020 02:40pm to 04:10pm,ST13:SC-Papers-Nature of Scientific Practices - 03/16/2020 08:30am to 10:00am,ST16:AS-Sandra Sandra K. Abell Institute for Doctoral Students - 03/17/2020 08:00am to 09:30am
Jessica Gale	ST10:SC-Papers-Teachers' Understanding and Use of Science Curriculum and Assessment - 03/15/2020 02:40pm to 04:10pm,ST8:SC-Papers-Professional Development to Support Induction of New Science Teachers - 03/18/2020 10:30am to 12:00pm

Jessica J. Thompson	ST7:S-Context-Dependent Approaches to Partnering with Mentor Teachers: Supporting Novice Teachers Ambitious Science Teaching - 03/16/2020 08:30am to 10:00am,ST8:S-Equity and Elementary Science Teaching & Learning - 03/17/2020 01:45pm to 03:15pm,ST8:SC-Papers-Supporting Authentic Science Practices - 03/18/2020 08:30am to 10:00am
Jessica Karch	ST5:SC-Papers-Fostering students' communication and argumentation - 03/16/2020 10:15am to 11:45am,ST16:AS-Sandra Sandra K. Abell Institute for Doctoral Students - 03/17/2020 08:00am to 09:30am,ST16:AS-Graduate Student Research Symposium - 03/17/2020 03:30pm to 05:00pm,ST5:SC-Papers-Using representations to learn science - 03/18/2020 08:30am to 10:00am
Jessica Lee Chen	ST8:SC-Papers-Context in Professional Development - 03/16/2020 08:30am to 10:00am,ST8:S-Equity and Elementary Science Teaching & Learning - 03/17/2020 01:45pm to 03:15pm
Jessica McClain	ST3:SC-Papers-Teacher instructional practices for equity in the NGSS - 03/18/2020 01:00pm to 02:30pm
Jessica Riccio	ST7:SC-Papers-Making Instructional Decisions: Assessment and edTPA - 03/17/2020 09:45am to 11:15am
Jessica Scott	ST6:SC-Papers-Science interest and identity formation in informal spaces - 03/17/2020 08:00am to 09:30am
Jessica Watkins	ST8:SC-Papers-Engineering Practices to Support NGSS - 03/15/2020 04:20pm to 05:50pm
Jessie Ameson	ST2:SC-Papers-Argumentation & Sense-Making - 03/17/2020 03:30pm to 05:00pm
Jessie Jennewein	ST6:SC-Papers-Science learning in museums and zoos - 03/17/2020 03:30pm to 05:00pm
Jesus Ángel Meneses Villagrá	ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am,ST10:SC-Papers-Attitudes, Beliefs, Motivation, and Identity in Science Learning - 03/17/2020 01:45pm to 03:15pm
Ji Shen	ST12:SC-Papers-Digital Tools: Research and Demonstration Showcase - 03/18/2020 10:30am to 12:00pm
Ji Zeng	ST10:SC-Papers-Dynamic Relationships between Practices and Knowledge in Science Assessment - 03/18/2020 10:30am to 12:00pm
Jie Chao	ST12:SC-Papers-Technology Tools to Support Scientific Thinking - 03/15/2020 02:40pm to 04:10pm
Jihyun Hwang	ST10:SC-Papers-Investigation of Teacher Knowledge - 03/18/2020 08:30am to 10:00am
Jill A. Wertheim	ST10:S-Automated Scoring of Complex Performances - 03/17/2020 03:30pm to 05:00pm
Jill Grace	ST8:SC-Papers-Teacher Learning in the Biological/Environmental Sciences - 03/18/2020 01:00pm to 02:30pm
Jill K Stein	ST6:S-Professional Development Opportunities for Informal STEM Learning Professionals - 03/18/2020 01:00pm to 02:30pm
Jill Wertheim	ST10:SC-Papers-Teachers' Understanding and Use of Science Curriculum and Assessment - 03/15/2020 02:40pm to 04:10pm
Jing Lin	ST10:SC-Papers-Integration of STEM disciplines - 03/18/2020 01:00pm to 02:30pm
Jing Yang	ST7:SC-Papers-Preservice teachers' self-efficacy in engineering - 03/15/2020 02:40pm to 04:10pm,ST2:SC-Papers-Teacher Perspectives, Contexts, Networks, & Roles - 03/17/2020 09:45am to 11:15am
Jisun Park	ST13:SC-Papers-NOS and Teachers' Perceptions - 03/16/2020 01:15pm to 02:45pm
Joan Kaderavek	ST3:SC-Papers-Early Childhood Scientific Thinking - 03/18/2020 08:30am to 10:00am
Joan LaFrance	ST7:SC-Papers-Science Education and Cultural Access - 03/16/2020 01:15pm to 02:45pm
Joanne K. Olson	ST13:SC-Papers-Nature of Engineering - 03/16/2020 10:15am to 11:45am,ST15:SC-Papers-Examining Models of Change in STEM Education - 03/16/2020 01:15pm to 02:45pm,ST7:SC-Papers-Informal Science Education and Socioscientific Issues - 03/17/2020 08:00am to 09:30am
Jody Bintz	ST8:RP-Scaling an Effective Analysis-of-Practice PD Program in Two High-Needs Districts: Impacts, Successes, and Challenges - 03/17/2020 03:30pm to 05:00pm
Joe Taylor	ST16:AS-Methods RIG - 03/17/2020 01:45pm to 03:15pm
Johanna Kranz	ST10:SC-Papers-Analyzing Real-world Data - 03/17/2020 09:45am to 11:15am
Johannes Schul	ST11:SC-Papers-Persistence & Retention Strategies for Underrepresented Populations in STEM - 03/16/2020 08:30am to 10:00am
John C. Moore	ST1:SC-Papers-Supporting Understanding with Mathematics and Computational Thinking - 03/16/2020 08:30am to 10:00am
John H. Falk	ST6:S-Measuring the long-term effects of informal education experiences: An interactive research symposium - 03/18/2020 10:30am to 12:00pm
John J. Clement	ST1:SC-Papers-Modeling - 03/16/2020 01:15pm to 02:45pm,ST2:SC-Papers-Modeling and Model-Based Teaching - 03/16/2020 08:30am to 10:00am
John M. Keller	ST7:SC-Papers-Practice-based Science Teaching - 03/17/2020 03:30pm to 05:00pm
John Pecore	ST6:AS-Igniting Informal Science - 03/15/2020 02:40pm to 04:10pm
John Settlage	ST16:AS-How to Get Your Research Published in Science Education Journals PAC Symposium - 03/17/2020 08:00am to 09:30am
Joi Merritt	ST3:SC-Papers-Teacher knowledge, beliefs, & use of science practices with students - 03/15/2020 02:40pm to 04:10pm,ST3:SC-Papers-Integration in the Elementary Curriculum - 03/18/2020 10:30am to 12:00pm

Joi P. Walker	ST5:RP-The Impact of Chemistry Education Research on Theory Development, Classroom Improvements, and Pre-Service Teacher Training - 03/17/2020 08:00am to 09:30am
Joinee Taylor	ST11:SC-Papers-Persistence & Retention Strategies for Underrepresented Populations in STEM - 03/16/2020 08:30am to 10:00am
Jonah B Firestone	ST1:AS-Developing Science Literacy and the Potential for Conceptual Change - 03/16/2020 08:30am to 10:00am,ST12:SC-Papers-Teaching with Technology - 03/18/2020 01:00pm to 02:30pm
Jonathan Boxerman	ST4:SC-Papers-NGSS - Practices and Implementation - 03/17/2020 03:30pm to 05:00pm,ST14:RP-Traditional Ecological Knowledge (TEK): Water Stories, Sustainability, Models, and Evidence - 03/18/2020 10:30am to 12:00pm
Jonathan Cox	ST5:SC-Papers-Investigating faculty change - 03/16/2020 08:30am to 10:00am,ST5:SC-Papers-Empowering emerging postsecondary educators - 03/18/2020 08:30am to 10:00am
Jonathan D. McCausland	ST11:SC-Papers-Centering Race, Whiteness, and Cultural Responsiveness in Science Education - 03/17/2020 09:45am to 11:15am
Jonathan Dees	ST5:SC-Papers-Affordances for students' literacy and engagement in postsecondary biology - 03/16/2020 08:30am to 10:00am
Jonathan Francis Osborne	ST10:RP-Automated Assessment of Argumentation in School Science: Developments and Challenges - 03/15/2020 02:40pm to 04:10pm,ST2:RP-Improving Guidance for Classroom Argumentation in Science Inquiry - 03/15/2020 04:20pm to 05:50pm,ST4:SC-Papers-Formative Assessment tools and practices - 03/17/2020 09:45am to 11:15am,ST10:S-What is the science curriculum of today and the future? - 03/18/2020 01:00pm to 02:30pm
Jonathan L. Hall	ST11:SC-Papers-Considerations for Girls & Women in Science and Engineering - 03/17/2020 03:30pm to 05:00pm
Jonathan Shemwell	ST1:SC-Papers-Modeling - 03/16/2020 01:15pm to 02:45pm,ST1:SC-Papers-Student Learning - 03/17/2020 09:45am to 11:15am,ST2:SC-Papers-Motivating Youth Engagement - 03/18/2020 08:30am to 10:00am
Jonathan Steinberg	ST3:SC-Papers-Teacher knowledge, beliefs, & use of science practices with students - 03/15/2020 02:40pm to 04:10pm
Jonathon Grooms	ST2:SC-Papers-The Chemistry Learning Environment - 03/15/2020 02:40pm to 04:10pm,ST4:SC-Papers-Formative Assessment tools and practices - 03/17/2020 09:45am to 11:15am
Jooeun Shim	ST8:SC-Papers-Teacher Learning in the Biological/Environmental Sciences - 03/18/2020 01:00pm to 02:30pm
Jordan D. Sherry-Wagner	ST14:RP-Fostering Young Learners' Socioecological Systems Reasoning and Decision-Making through Family and Community Supported Field-Based Science - 03/17/2020 01:45pm to 03:15pm
Jordan L Henley	ST7:SC-Papers-Science Education and Cultural Access - 03/16/2020 01:15pm to 02:45pm
Jörg Großschedl	ST1:SC-Papers-Understandings about Genetics, Evolution, and Natural Selection - 03/18/2020 10:30am to 12:00pm
Joseph A. Taylor	ST15:SC-Papers-Examining Models of Change in STEM Education - 03/16/2020 01:15pm to 02:45pm,ST8:RP-Scaling an Effective Analysis-of-Practice PD Program in Two High-Needs Districts: Impacts, Successes, and Challenges - 03/17/2020 03:30pm to 05:00pm
Joseph Genz	ST11:SC-Papers-Renegotiating Multiculturalism & Multilingualism in Science Education - 03/15/2020 04:20pm to 05:50pm
Joseph Krajcik	ST4:RP-Teaching for Science Literacy at Scale - 03/16/2020 01:15pm to 02:45pm
Joseph L. Polman	ST16:AS-Citizen Science - an International and Integrative Look at a Scientific and Educational Method - 03/16/2020 10:15am to 11:45am
Joseph S. Krajcik	ST10:RP-Productively Engaging 'Community' in Project-Based Learning: Approaches to Supporting Meaningful Science Learning in Formal Classrooms - 03/16/2020 01:15pm to 02:45pm,ST2:RP-Characterizing computational thinking in the context of technology-enhanced multilevel system modeling - 03/16/2020 10:15am to 11:45am,ST7:SC-Papers-Retaining Preservice Physics Teachers - 03/16/2020 08:30am to 10:00am,ST1:SC-Papers-Student Understandings about Energy and Light - 03/17/2020 01:45pm to 03:15pm,ST10:SC-Papers-Assessing scientific concepts across disciplines - 03/17/2020 03:30pm to 05:00pm,ST3:SC-Papers-Teacher instructional practices for equity in the NGSS - 03/18/2020 01:00pm to 02:30pm
Joseph T. Wong	ST1:SC-Papers-Student Learning - 03/17/2020 09:45am to 11:15am,ST3:SC-Papers-Integration in the Elementary Curriculum - 03/18/2020 10:30am to 12:00pm
Josh Adams	ST1:SC-Papers-Student Learning - 03/17/2020 09:45am to 11:15am
Joshua A. Ellis	ST9:SC-Papers-Teachers' Beliefs and Identity in Their Reflective Practices - 03/18/2020 01:00pm to 02:30pm
Joshua Danish	ST3:SC-Papers-Teacher instructional practices for equity in the NGSS - 03/18/2020 01:00pm to 02:30pm
Joshua Hunter	ST16:AS-Indigenous Knowledge RIG - 03/17/2020 09:45am to 11:15am
Joshua Premo	ST5:SC-Papers-Fostering students' communication and argumentation - 03/16/2020 10:15am to 11:45am

Joshua W. Reid	ST5:SC-Papers-Postsecondary educators' perceptions, planning, and practices - 03/15/2020 04:20pm to 05:50pm,ST5:SC-Papers-Empowering emerging postsecondary educators - 03/18/2020 08:30am to 10:00am,ST7:SC-Papers-Preservice Teachers Perceptions of Engineering - 03/18/2020 10:30am to 12:00pm
Joyce Massicotte	ST12:SC-Papers-Digital Tools: Research and Demonstration Showcase - 03/18/2020 10:30am to 12:00pm
Juan Jimenez	ST13:SC-Papers-Learning of NOS - 03/15/2020 04:20pm to 05:50pm
Judith A. Cooper-Wagoner	ST1:SC-Papers-Supporting Understanding with Mathematics and Computational Thinking - 03/16/2020 08:30am to 10:00am
Judith Giordan	ST5:SC-Papers-Developing students' contemporary practices - 03/17/2020 09:45am to 11:15am
Judith S. Lederman	ST13:SC-Papers-Learning of NOS - 03/15/2020 04:20pm to 05:50pm,ST16:AS-NSTA-Translating your Research into Forms that are Useful to K-12 Science Educators - 03/18/2020 08:30am to 10:00am,ST4:SC-Papers-Inquiry-based instruction and explorative science practices - 03/18/2020 10:30am to 12:00pm
Judy Yehudit Dori	ST5:SC-Papers-Developing students' contemporary practices - 03/17/2020 09:45am to 11:15am,ST10:SC-Papers-Dynamic Relationships between Practices and Knowledge in Science Assessment - 03/18/2020 10:30am to 12:00pm
Judyanto Sirait	ST16:AS-Sandra Sandra K. Abell Institute for Doctoral Students - 03/17/2020 08:00am to 09:30am
Julia B. Skolnik	ST6:RP-Storybooks and STEM: Using Books as a Tool to Support Early Childhood Family STEM Learning - 03/17/2020 03:30pm to 05:00pm
Julia Christensen	ST4:SC-Papers-Teacher learning, efficacy and practice - 03/16/2020 01:15pm to 02:45pm
Julia E. Przybyla-Kuchek	ST7:SC-Papers-Preservice Teacher Recruitment - 03/17/2020 01:45pm to 03:15pm
Julia Eckhard	ST5:SC-Papers-Using representations to learn science - 03/18/2020 08:30am to 10:00am
Julia Lorke	ST6:SC-Papers-Science learning in museums and zoos - 03/17/2020 03:30pm to 05:00pm
Julia Plummer	ST6:RP-Storybooks and STEM: Using Books as a Tool to Support Early Childhood Family STEM Learning - 03/17/2020 03:30pm to 05:00pm
Julian Fischer	ST1:RP-Learning and Teaching Evolution in High School: Challenges and Possible Remedies - 03/15/2020 02:40pm to 04:10pm
Julian Roelle	ST1:SC-Papers-Modeling - 03/16/2020 01:15pm to 02:45pm
Julianne A. Wenner	ST7:SC-Papers-Building Knowledge through Asset-based Pedagogy - 03/15/2020 02:40pm to 04:10pm,ST8:SC-Papers-Professional Learning Communities - 03/17/2020 01:45pm to 03:15pm
Julie A. Bianchini	ST7:SC-Papers-Accessing Funds of Knowledge to Enhance Instruction - 03/15/2020 04:20pm to 05:50pm
Julie A. Luft	ST4:SC-Papers-Teacher learning, efficacy and practice - 03/16/2020 01:15pm to 02:45pm,ST7:SC-Papers-Preservice Teacher Recruitment - 03/17/2020 01:45pm to 03:15pm,ST8:SC-Papers-Professional Development to Support Induction of New Science Teachers - 03/18/2020 10:30am to 12:00pm,ST16:AS-Sandra Sandra K. Abell Institute for Doctoral Students - 03/17/2020 08:00am to 09:30am
Julie C. Brown	ST5:SC-Papers-Frameworks of TA learning and development as educators - 03/15/2020 02:40pm to 04:10pm,ST11:SC-Papers- Partnerships and STEM Learning Experiences Across (In)formal Contexts - 03/17/2020 08:00am to 09:30am,ST8:SC-Papers-Professional Development to Support Induction of New Science Teachers - 03/18/2020 10:30am to 12:00pm
Julie M. Kittleson	ST5:SC-Papers-Affordances for students' literacy and engagement in postsecondary biology - 03/16/2020 08:30am to 10:00am,ST7:SC-Papers-Science Education and Cultural Access - 03/16/2020 01:15pm to 02:45pm,ST8:SC-Papers-Supporting Authentic Science Practices - 03/18/2020 08:30am to 10:00am
Julie Remold	ST15:SC-Papers-Examining Models of Change in STEM Education - 03/16/2020 01:15pm to 02:45pm
Julie Robinson	ST16:AS-Indigenous Knowledge RIG - 03/17/2020 09:45am to 11:15am
Julio Mendez	ST8:SC-Papers-Meeting the Content Needs of STEM Educators - 03/16/2020 10:15am to 11:45am
Jun-Ki Lee	ST13:SC-Papers-NOS and Teachers' Perceptions - 03/16/2020 01:15pm to 02:45pm
Justin A. Goodridge	ST5:SC-Papers-Investigating faculty change - 03/16/2020 08:30am to 10:00am
Justin Dillon	ST16:AS-Citizen Science - an International and Integrative Look at a Scientific and Educational Method - 03/16/2020 10:15am to 11:45am,ST10:S-What is the science curriculum of today and the future? - 03/18/2020 01:00pm to 02:30pm
Justin McFadden	ST3:SC-Papers-Supporting elementary & early childhood STEM learning - 03/15/2020 04:20pm to 05:50pm,ST16:AS-How to Get Your Research Published in Science Education Journals PAC Symposium - 03/17/2020 08:00am to 09:30am,ST5:SC-Papers-Empowering emerging postsecondary educators - 03/18/2020 08:30am to 10:00am
Justin Shaifer	ST11:RP-Establishment and Maintenance of Black STEM Community Institutions - 03/15/2020 04:20pm to 05:50pm
Jyh-Chong Liang	ST2:SC-Papers-Socioscientific Reasoning, Decision-Making, & Discourse - 03/15/2020 04:20pm to 05:50pm
K.C. Busch	ST6:SC-Papers-Educating informal science educators - 03/15/2020 04:20pm to 05:50pm,ST7:SC-Papers-Making Instructional Decisions: Assessment and edTPA - 03/17/2020 09:45am to 11:15am,ST2:SC-Papers-Motivating Youth Engagement - 03/18/2020 08:30am to 10:00am

Kai-Lung Wang	ST14:RP-Traditional Ecological Knowledge (TEK): Water Stories, Sustainability, Models, and Evidence - 03/18/2020 10:30am to 12:00pm
Kaila Williams	ST11:SC-Papers- Partnerships and STEM Learning Experiences Across (In)formal Contexts - 03/17/2020 08:00am to 09:30am
kang kang Luo	ST8:SC-Papers-Meeting the Content Needs of STEM Educators - 03/16/2020 10:15am to 11:45am
Kania Greer	ST6:SC-Papers-Science learning through non-traditional ISL experiences - 03/18/2020 08:30am to 10:00am
Karen Benn Marshall	ST11:SC-Papers-Persistence & Retention Strategies for Underrepresented Populations in STEM - 03/16/2020 08:30am to 10:00am,ST11:SC-Papers-Reconceptualizing the Pathways and Experiences of Women of Color in STEM - 03/16/2020 01:15pm to 02:45pm
Karen D Wang	ST10:S-Automated Scoring of Complex Performances - 03/17/2020 03:30pm to 05:00pm
Karen Draney	ST10:S-Automated Scoring of Complex Performances - 03/17/2020 03:30pm to 05:00pm
Karen Kuhel	ST3:RP-Analyses of Elementary Preservice and Inservice Teachers' Use of Crosscutting Concepts in Plans and Enactments - 03/16/2020 08:30am to 10:00am
Karen Lionberger	ST8:SC-Papers-Supporting Authentic Science Practices - 03/18/2020 08:30am to 10:00am
Karen Miel	ST2:SC-Papers-Moves in Teaching & Discourse - 03/16/2020 01:15pm to 02:45pm
Karen Mutch-Jones	ST12:SC-Papers-Teaching with Technology - 03/18/2020 01:00pm to 02:30pm
Karen Peterson	ST6:RP-Storybooks and STEM: Using Books as a Tool to Support Early Childhood Family STEM Learning - 03/17/2020 03:30pm to 05:00pm
Karen Woodruff	ST8:SC-Papers-Argumentation in STEM Education - 03/17/2020 09:45am to 11:15am
Karin Keith	ST4:SC-Papers-STEM integration across disciplines - 03/15/2020 02:40pm to 04:10pm
Karin Thörne	ST1:RP-Recent Trends in Genetics Education Research - 03/15/2020 04:20pm to 05:50pm
Karishma Modi	ST14:SC-Papers-Place-based and community-based education - 03/16/2020 08:30am to 10:00am
Karl G. Jung	ST3:SC-Papers-Integration in the Elementary Curriculum - 03/18/2020 10:30am to 12:00pm
Karrie A. Wikman	ST13:SC-Papers-SSI and NOS - 03/17/2020 09:45am to 11:15am
Karthigeyan Subramaniam	ST7:SC-Papers-Informal Science Education and Socioscientific Issues - 03/17/2020 08:00am to 09:30am
Kartik Shanker	ST14:SC-Papers-Place-based and community-based education - 03/16/2020 08:30am to 10:00am
Karyn Housh	ST10:SC-Papers-Novel Approaches to Science Assessment - 03/15/2020 04:20pm to 05:50pm,ST10:SC-Papers-Assessing scientific concepts across disciplines - 03/17/2020 03:30pm to 05:00pm
Kassandra L'Heureux	ST14:SC-Papers-Place-based and community-based education - 03/16/2020 08:30am to 10:00am
Kate Davis	ST6:SC-Papers-Learning science in informal science clubs and camps - 03/17/2020 09:45am to 11:15am
Kate Patterson	ST8:SC-Papers-Context in Professional Development - 03/16/2020 08:30am to 10:00am
Katelyn Southard	ST5:SC-Papers-Investigating faculty change - 03/16/2020 08:30am to 10:00am,ST5:SC-Papers-Empowering emerging postsecondary educators - 03/18/2020 08:30am to 10:00am
Katherine Carr Chapman	ST2:SC-Papers-Language & Learning Science - 03/15/2020 02:40pm to 04:10pm,ST6:SC-Papers-Museum participant experiences - 03/16/2020 10:15am to 11:45am
Katherine Chesnutt	ST6:SC-Papers-Family engagement in informal science experiences - 03/16/2020 08:30am to 10:00am
Katherine Cruz-Dieter	ST7:SC-Papers-English Learners and Literacy Integration - 03/16/2020 01:15pm to 02:45pm
Katherine Doerr	ST11:SC-Papers-Counterspaces and Critical Considerations in University Settings - 03/18/2020 10:30am to 12:00pm
Katherine McCance	ST5:SC-Papers-Engaging students' interdisciplinary connections - 03/18/2020 10:30am to 12:00pm
Katherine L. McNeill	ST8:SC-Papers-Professional Development to Support Curriculum Design - 03/15/2020 04:20pm to 05:50pm,ST3:RP-Factors Influencing Early Elementary Teachers' Integration of Science and Engineering Practices in Their Classrooms - 03/17/2020 01:45pm to 03:15pm,ST4:SC-Papers-Dialogic instruction and sense-making of science concepts - 03/17/2020 08:00am to 09:30am,ST10:RP-Design, Development, and Testing of a Media-Rich Three-dimensional Middle School Science Unit - 03/18/2020 08:30am to 10:00am
Katherine Miller	ST12:SC-Papers-Breakthroughs in Online Learning - 03/17/2020 03:30pm to 05:00pm,ST8:SC-Papers-Teacher Learning in the Biological/Environmental Sciences - 03/18/2020 01:00pm to 02:30pm
Katherine R. Bruna	ST14:SC-Papers-Environmental Education - learner's perspective - 03/15/2020 04:20pm to 05:50pm
Katherine Ray King	ST16:AS-Sandra Sandra K. Abell Institute for Doctoral Students - 03/17/2020 08:00am to 09:30am
Kathleen A. Fadigan	ST14:SC-Papers-Citizen engagement: Between attitudes and behavior - 03/18/2020 01:00pm to 02:30pm
Kathleen A. Schenkel	ST11:RP-Learning from Minoritized Youths' Experiences and Promoting Equitable Science Teaching through Research-Practice Partnership - 03/16/2020 01:15pm to 02:45pm
Kathleen D. Johnson	ST15:SC-Papers-Understanding and Supporting STEM Education Improvement Efforts Within Schools and Districts - 03/16/2020 10:15am to 11:45am
Kathleen Hill	ST8:SC-Papers-Research Experiences for Teachers - 03/18/2020 01:00pm to 02:30pm,ST8:SC-Papers-Professional Development to Support Induction of New Science Teachers - 03/18/2020 10:30am to 12:00pm

Kathleen J. Roth	ST8:RP-Scaling an Effective Analysis-of-Practice PD Program in Two High-Needs Districts: Impacts, Successes, and Challenges - 03/17/2020 03:30pm to 05:00pm
Kathryn Green	ST1:SC-Papers-Supporting Understanding with Mathematics and Computational Thinking - 03/16/2020 08:30am to 10:00am,ST4:SC-Papers-Teacher learning, efficacy and practice - 03/16/2020 01:15pm to 02:45pm,ST16:AS-Graduate Student Research Symposium - 03/17/2020 03:30pm to 05:00pm,ST5:SC-Papers-Student understandings and perceptions of evolution - 03/17/2020 08:00am to 09:30am,ST1:SC-Papers- Understandings about Genetics, Evolution, and Natural Selection - 03/18/2020 10:30am to 12:00pm
Kathryn Hosbein	ST5:RP-The Impact of Chemistry Education Research on Theory Development, Classroom Improvements, and Pre-Service Teacher Training - 03/17/2020 08:00am to 09:30am
Kathryn Lynch	ST14:SC-Papers-Place-based and community-based education - 03/16/2020 08:30am to 10:00am
Kathryn M. Bateman	ST15:SC-Papers-Understanding and Supporting STEM Education Improvement Efforts Within Schools and Districts - 03/16/2020 10:15am to 11:45am,ST4:SC-Papers-Intersecting Earth science and Engineering concept in the classroom - 03/18/2020 08:30am to 10:00am
Kathryn N. Hayes	ST8:SC-Papers-Meeting the Content Needs of STEM Educators - 03/16/2020 10:15am to 11:45am,ST8:SC-Papers-Approaches to PD to Support Science Teaching - 03/18/2020 10:30am to 12:00pm
Kathryn Rende	ST6:SC-Papers-Museum participant experiences - 03/16/2020 10:15am to 11:45am
Kathryn Scantlebury	ST11:SC-Papers-Exploring Feminism and Materialism in Science Education - 03/18/2020 08:30am to 10:00am
Kathy Trundle	ST16:AS-NSTA-Translating your Research into Forms that are Useful to K-12 Science Educators - 03/18/2020 08:30am to 10:00am
Katia Kromann	ST11:RP-Exploring Science Identities through the lenses of Possible Selves - 03/16/2020 08:30am to 10:00am
Katie Humrick	ST16:AS-Sandra Sandra K. Abell Institute for Doctoral Students - 03/17/2020 08:00am to 09:30am,ST5:SC-Papers-Developing students' contemporary practices - 03/17/2020 09:45am to 11:15am
Katy Nilsen	ST2:SC-Papers-Agency - 03/17/2020 01:45pm to 03:15pm,ST4:SC-Papers-NGSS - Practices and Implementation - 03/17/2020 03:30pm to 05:00pm
Keelan P. LoFaro	ST7:SC-Papers-Preservice teachers' self-efficacy in engineering - 03/15/2020 02:40pm to 04:10pm
Keith R. Langenhoven	ST1:SC-Papers-New approaches to Learning - 03/17/2020 08:00am to 09:30am
Keith Sheppard	ST11:SC-Papers-Promoting Inclusion in Culturally and Linguistically Diverse Science Classrooms - 03/16/2020 10:15am to 11:45am,ST8:SC-Papers-Student Achievement - 03/17/2020 03:30pm to 05:00pm
Kelli Paul	ST2:SC-Papers-Moves in Teaching & Discourse - 03/16/2020 01:15pm to 02:45pm,ST10:SC-Papers-Attitudes, Beliefs, Motivation, and Identity in Science Learning - 03/17/2020 01:45pm to 03:15pm
Kelly Feille	ST2:SC-Papers-Students & STEM Careers - 03/18/2020 01:00pm to 02:30pm
Kelly Jean Shea	ST3:RP-The Effects of Children's Media on Preschoolers Language, Understanding, and Perceptions of Science and Engineering - 03/17/2020 03:30pm to 05:00pm
Kelly M. Mills	ST7:SC-Papers-Preservice Teaching Practices - 03/16/2020 10:15am to 11:45am
Kelly M. Schmid	ST5:SC-Papers-Affordances for students' literacy and engagement in postsecondary biology - 03/16/2020 08:30am to 10:00am
Kelly Marie Shepard	ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
Kelly Riedinger	ST8:SC-Papers-Teacher Learning in the Physical Sciences - 03/18/2020 10:30am to 12:00pm
Kelsey Tayne	ST6:SC-Papers-Science learning through non-traditional ISL experiences - 03/18/2020 08:30am to 10:00am
Ken Frank	ST4:RP-Teaching for Science Literacy at Scale - 03/16/2020 01:15pm to 02:45pm
Kendra Hall-Kenyon	ST3:SC-Papers-Integration in the Elementary Curriculum - 03/18/2020 10:30am to 12:00pm
Kent J. Crippen	ST16:AS-How to Get Your Research Published in Science Education Journals PAC Symposium - 03/17/2020 08:00am to 09:30am,ST5:SC-Papers-Diverse student perceptions, positioning, and retention in STEM - 03/17/2020 03:30pm to 05:00pm,ST2:SC-Papers-Characteristics of the Learning Environment - 03/18/2020 08:30am to 10:00am,ST8:SC-Papers-Research Experiences for Teachers - 03/18/2020 01:00pm to 02:30pm
Keren E. Dalyot	ST6:SC-Papers-Family engagement in informal science experiences - 03/16/2020 08:30am to 10:00am
Keri Anne Croce	ST1:AS-Developing Science Literacy and the Potential for Conceptual Change - 03/16/2020 08:30am to 10:00am
Kerri Wingert	ST8:SC-Papers-Assessment to Support NGSS Implementation - 03/15/2020 02:40pm to 04:10pm,ST11:RP-Learning from Minoritized Youths' Experiences and Promoting Equitable Science Teaching through Research-Practice Partnership - 03/16/2020 01:15pm to 02:45pm
Kerstin te Heesen	ST11:RP-Spaces of Agency: Centering teacher agency and expanding contexts for equitable science teaching and learning - 03/16/2020 10:15am to 11:45am
Kevin C. Haudek	ST10:RP-Automated Assessment of Argumentation in School Science: Developments and Challenges - 03/15/2020 02:40pm to 04:10pm,ST10:SC-Papers-Novel Approaches to Science Assessment - 03/15/2020 04:20pm to 05:50pm

Kevin Cherbow	ST8:SC-Papers-Professional Development to Support Curriculum Design - 03/15/2020 04:20pm to 05:50pm,ST4:SC-Papers-Dialogic instruction and sense-making of science concepts - 03/17/2020 08:00am to 09:30am
Kevin J. Fleming	ST2:SC-Papers-The Chemistry Learning Environment - 03/15/2020 02:40pm to 04:10pm
Kevin W. McElhane	ST3:SC-Papers-Supporting elementary & early childhood STEM learning - 03/15/2020 04:20pm to 05:50pm,ST3:RP-Analyses of Elementary Preservice and Inservice Teachers' Use of Crosscutting Concepts in Plans and Enactments - 03/16/2020 08:30am to 10:00am,ST3:SC-Papers-Teacher instructional practices for equity in the NGSS - 03/18/2020 01:00pm to 02:30pm
Khomson Keratithamkul	ST2:SC-Papers-Moves in Teaching & Discourse - 03/16/2020 01:15pm to 02:45pm
Kim Lange-Schubert	ST3:SC-Papers-Teacher knowledge, beliefs, & use of science practices with students - 03/15/2020 02:40pm to 04:10pm
Kimberly B. Christian	ST8:SC-Papers-Engineering Practices to Support NGSS - 03/15/2020 04:20pm to 05:50pm
Kimberly Carroll Steward	ST4:SC-Papers-Socioscientific issues in the science classroom - 03/16/2020 10:15am to 11:45am,ST14:RP-Modelling, Assessment, and Promotion of Climate Literacy - 03/17/2020 03:30pm to 05:00pm,ST1:SC-Papers-Understanding of Climate and Natural Systems - 03/18/2020 08:30am to 10:00am
Kimberly Nguyen	ST4:SC-Papers-NGSS - Practices and Implementation - 03/17/2020 03:30pm to 05:00pm
Kiran D. Purohit	ST10:SC-Papers-Teachers' Understanding and Use of Science Curriculum and Assessment - 03/15/2020 02:40pm to 04:10pm,ST4:SC-Papers-Teacher knowledge and implementation - 03/15/2020 04:20pm to 05:50pm
Kirby Whittington	ST7:SC-Papers-Accessing Funds of Knowledge to Enhance Instruction - 03/15/2020 04:20pm to 05:50pm
Kirsten D. Edwards	ST4:RP-Teaching for Science Literacy at Scale - 03/16/2020 01:15pm to 02:45pm
Kirsten Edwards	ST16:AS-Sandra Sandra K. Abell Institute for Doctoral Students - 03/17/2020 08:00am to 09:30am
Kit Martin	ST12:SC-Papers-Technology Tools to Support Scientific Thinking - 03/15/2020 02:40pm to 04:10pm
Knut Neumann	ST7:SC-Papers-Retaining Preservice Physics Teachers - 03/16/2020 08:30am to 10:00am,ST1:SC-Papers-Student Understandings about Energy and Light - 03/17/2020 01:45pm to 03:15pm,ST10:S-What is the science curriculum of today and the future? - 03/18/2020 01:00pm to 02:30pm,ST4:SC-Papers-Inquiry-based instruction and explorative science practices - 03/18/2020 10:30am to 12:00pm
Kostas Kampourakis	ST1:RP-Learning and Teaching Evolution in High School: Challenges and Possible Remedies - 03/15/2020 02:40pm to 04:10pm,ST1:RP-Recent Trends in Genetics Education Research - 03/15/2020 04:20pm to 05:50pm
Kota Takahashi	ST3:SC-Papers-Supporting elementary & early childhood STEM learning - 03/15/2020 04:20pm to 05:50pm
Kraig A. Wray	ST4:SC-Papers-Teacher learning, efficacy and practice - 03/16/2020 01:15pm to 02:45pm
Kris Kilbarda	ST8:SC-Papers-Assessment to Support NGSS Implementation - 03/15/2020 02:40pm to 04:10pm
Krista Hook	ST3:SC-Papers-Early Childhood Scientific Thinking - 03/18/2020 08:30am to 10:00am
Kristen B. Wendell	ST2:RP-Constructing and Receiving Peer Feedback on Engineering Designs: Student Engagement and Pedagogical Supports - 03/18/2020 01:00pm to 02:30pm,ST7:RP-Using Principles of Engineering Design to Advance Elementary Science Teacher Preparation - 03/18/2020 10:30am to 12:00pm
Kristen Miller	ST5:SC-Papers-Affordances for students' literacy and engagement in postsecondary biology - 03/16/2020 08:30am to 10:00am
Kristen Schulte	ST13:SC-Papers-Teaching of NOS - 03/17/2020 08:00am to 09:30am
Kristen Wendell	ST7:RP-Using Principles of Engineering Design to Advance Elementary Science Teacher Preparation - 03/18/2020 10:30am to 12:00pm
Kristin L. Gunckel	ST1:SC-Papers-Supporting Understanding with Mathematics and Computational Thinking - 03/16/2020 08:30am to 10:00am,ST8:S-Equity and Elementary Science Teaching & Learning - 03/17/2020 01:45pm to 03:15pm
Kristin L. Koskey	ST8:SC-Papers-Engineering Practices to Support NGSS - 03/15/2020 04:20pm to 05:50pm
Kristin L.K. Koskey	ST6:SC-Papers-Science learning through non-traditional ISL experiences - 03/18/2020 08:30am to 10:00am
Kristin N Parent	ST5:SC-Papers-Engaging students' interdisciplinary connections - 03/18/2020 10:30am to 12:00pm
Kristin N. VanWyngaarden	ST10:SC-Papers-Teachers' Understanding and Use of Science Curriculum and Assessment - 03/15/2020 02:40pm to 04:10pm
Kristina Kramarczuk	ST9:SC-Papers-Teacher Efficacy, Ownership, and Practice - 03/18/2020 08:30am to 10:00am
Kristina M. Tank	ST1:SC-Papers-Supporting Understanding with Mathematics and Computational Thinking - 03/16/2020 08:30am to 10:00am,ST13:SC-Papers-Nature of Engineering - 03/16/2020 10:15am to 11:45am
Kuay-Keng Yang	ST3:SC-Papers-Supporting elementary & early childhood STEM learning - 03/15/2020 04:20pm to 05:50pm,ST6:SC-Papers-Museum participant experiences - 03/16/2020 10:15am to 11:45am,ST2:SC-Papers-Inquiry Science Learning - 03/18/2020 01:00pm to 02:30pm
Kübra Özmen	ST5:SC-Papers-Frameworks of TA learning and development as educators - 03/15/2020 02:40pm to 04:10pm

Kyungjin Cho	ST6:RP-Storybooks and STEM: Using Books as a Tool to Support Early Childhood Family STEM Learning - 03/17/2020 03:30pm to 05:00pm
Lama Jaber	ST7:SC-Papers-Building Knowledge through Asset-based Pedagogy - 03/15/2020 02:40pm to 04:10pm,ST2:SC-Papers-Moves in Teaching & Discourse - 03/16/2020 01:15pm to 02:45pm,ST2:SC-Papers-Argumentation & Sense-Making - 03/17/2020 03:30pm to 05:00pm,ST8:SC-Papers-Approaches to PD to Support Science Teaching - 03/18/2020 10:30am to 12:00pm,ST8:SC-Papers-Research Experiences for Teachers - 03/18/2020 01:00pm to 02:30pm
Lara Smetana	ST8:SC-Papers-Teacher Identity - 03/16/2020 01:15pm to 02:45pm
Larry Collins	ST5:SC-Papers-Fostering students' communication and argumentation - 03/16/2020 10:15am to 11:45am,ST2:SC-Papers-Argumentation & Sense-Making - 03/17/2020 03:30pm to 05:00pm
LaShawn McNeil	ST16:AS-Sandra Sandra K. Abell Institute for Doctoral Students - 03/17/2020 08:00am to 09:30am
Latanya Brandon	ST7:SC-Papers-Making Instructional Decisions: Assessment and edTPA - 03/17/2020 09:45am to 11:15am
LaToya Strong	ST11:RP-Spaces of Agency: Centering teacher agency and expanding contexts for equitable science teaching and learning - 03/16/2020 10:15am to 11:45am
Laura E. Robertson	ST4:SC-Papers-STEM integration across disciplines - 03/15/2020 02:40pm to 04:10pm
Laura J. Wright	ST10:SC-Papers-Novel Approaches to Science Assessment - 03/15/2020 04:20pm to 05:50pm
Laura M. Craven	ST3:RP-Elementary Science Instruction in the US: Warning Signs and Ways Forward - 03/16/2020 01:15pm to 02:45pm,ST4:S-Secondary Science Teaching in the US: Current Status, Trends over Time, and Factors Affecting Instruction - 03/16/2020 08:30am to 10:00am
Laura O. Pottmeyer	ST4:SC-Papers-Intersecting Earth science and Engineering concept in the classroom - 03/18/2020 08:30am to 10:00am
Laura Zangori	ST10:RP-Socio-scientific Issue and Model Based Learning (SIMBL): Advances in Research to Inform Practice and Theory - 03/16/2020 10:15am to 11:45am
Laura Zeller	ST8:SC-Papers-Assessment to Support NGSS Implementation - 03/15/2020 02:40pm to 04:10pm,ST8:SC-Papers-Supporting Authentic Science Practices - 03/18/2020 08:30am to 10:00am
Lauren Madden	ST7:SC-Papers-Retaining Preservice Physics Teachers - 03/16/2020 08:30am to 10:00am
Laurie Brantley-Dias	ST9:SC-Papers-Teachers' Beliefs and Identity in Their Reflective Practices - 03/18/2020 01:00pm to 02:30pm
Lautaro Cabrera	ST7:SC-Papers-Preservice Teaching Practices - 03/16/2020 10:15am to 11:45am
Lawrence B. Flick	ST1:SC-Papers-Student Learning - 03/17/2020 09:45am to 11:15am
Lawrence Chu	ST1:SC-Papers-Engineering Framework - 03/16/2020 10:15am to 11:45am,ST2:SC-Papers-Agency - 03/17/2020 01:45pm to 03:15pm,ST4:SC-Papers-Intersecting Earth science and Engineering concept in the classroom - 03/18/2020 08:30am to 10:00am
Lawrence Horvath	ST7:SC-Papers-Practice-based Science Teaching - 03/17/2020 03:30pm to 05:00pm
Leah A. Bricker	ST14:RP-Fostering Young Learners' Socioecological Systems Reasoning and Decision-Making through Family and Community Supported Field-Based Science - 03/17/2020 01:45pm to 03:15pm
Leanne R. Ketterlin-Geller	ST4:SC-Papers-Teacher knowledge and implementation - 03/15/2020 04:20pm to 05:50pm
Lehong Shi	ST10:SC-Papers-Novel Approaches to Science Assessment - 03/15/2020 04:20pm to 05:50pm,ST12:SC-Papers-Teaching with Technology - 03/18/2020 01:00pm to 02:30pm
Lei Liu	ST10:SC-Papers-Novel Approaches to Science Assessment - 03/15/2020 04:20pm to 05:50pm,ST10:SC-Papers-Assessing scientific concepts across disciplines - 03/17/2020 03:30pm to 05:00pm
Lei Lui	ST2:RP-Disrupting Science Education Across Contexts: K-12 Learning, Teaching & Local Communities - 03/17/2020 09:45am to 11:15am
Leigh K. Smith	ST3:SC-Papers-Integration in the Elementary Curriculum - 03/18/2020 10:30am to 12:00pm
Leslie Bushong	ST7:SC-Papers-Accessing Funds of Knowledge to Enhance Instruction - 03/15/2020 04:20pm to 05:50pm
Lezly Taylor	ST11:SC-Papers-Exploring the Experiences and STEM Identity Development of Black Students and Teachers - 03/15/2020 02:40pm to 04:10pm
Li Ke	ST10:RP-Socio-scientific Issue and Model Based Learning (SIMBL): Advances in Research to Inform Practice and Theory - 03/16/2020 10:15am to 11:45am,ST13:SC-Papers-SSI and NOS - 03/17/2020 09:45am to 11:15am
Liam Guilfoyle	ST13:SC-Papers-NOS and Teachers' Perceptions - 03/16/2020 01:15pm to 02:45pm,ST4:SC-Papers-Science across contexts - 03/17/2020 01:45pm to 03:15pm,ST8:SC-Papers-Argumentation in STEM Education - 03/17/2020 09:45am to 11:15am
Libby Gerard	ST2:RP-Improving Guidance for Classroom Argumentation in Science Inquiry - 03/15/2020 04:20pm to 05:50pm
Lila Higgins	ST6:SC-Papers-Science learning in museums and zoos - 03/17/2020 03:30pm to 05:00pm
Lin Zhang	ST2:SC-Papers-Characteristics of the Learning Environment - 03/18/2020 08:30am to 10:00am
Lincoln R. Larson	ST5:SC-Papers-Contemporary instructional approaches in postsecondary STEM - 03/17/2020 01:45pm to 03:15pm

Linda C. Fuselier	ST5:SC-Papers-Developing students' contemporary practices - 03/17/2020 09:45am to 11:15am,ST5:SC-Papers-Empowering emerging postsecondary educators - 03/18/2020 08:30am to 10:00am
Linda Malkin	ST10:SC-Papers-Novel Approaches to Science Assessment - 03/15/2020 04:20pm to 05:50pm
Linda Morell	ST10:RP-Automated Assessment of Argumentation in School Science: Developments and Challenges - 03/15/2020 02:40pm to 04:10pm,ST10:SC-Papers-Attitudes, Beliefs, Motivation, and Identity in Science Learning - 03/17/2020 01:45pm to 03:15pm
Linda Padwa	ST8:SC-Papers-Student Achievement - 03/17/2020 03:30pm to 05:00pm
Linda Preminger	ST8:SC-Papers-Meeting the Content Needs of STEM Educators - 03/16/2020 10:15am to 11:45am
Lindsey Mohan	ST10:RP-Design, Development, and Testing of a Media-Rich Three-dimensional Middle School Science Unit - 03/18/2020 08:30am to 10:00am
Lindsey Perry	ST4:SC-Papers-Teacher knowledge and implementation - 03/15/2020 04:20pm to 05:50pm
Liron Schwartz	ST2:SC-Papers-Inquiry Science Learning - 03/18/2020 01:00pm to 02:30pm
Lisa A. Borgerding	ST7:SC-Papers-Preservice teachers' self-efficacy in engineering - 03/15/2020 02:40pm to 04:10pm,ST1:SC-Papers-Understanding of Climate and Natural Systems - 03/18/2020 08:30am to 10:00am
Lisa Carey	ST10:RP-Design, Development, and Testing of a Media-Rich Three-dimensional Middle School Science Unit - 03/18/2020 08:30am to 10:00am
Lisa Elfring	ST5:SC-Papers-Investigating faculty change - 03/16/2020 08:30am to 10:00am,ST5:SC-Papers-Empowering emerging postsecondary educators - 03/18/2020 08:30am to 10:00am
Lisa Linnenbrink-Garcia	ST4:SC-Papers-NGSS - Practices and Implementation - 03/17/2020 03:30pm to 05:00pm
Lisa Lundgren	ST7:S-Context-Dependent Approaches to Partnering with Mentor Teachers: Supporting Novice Teachers Ambitious Science Teaching - 03/16/2020 08:30am to 10:00am,ST5:SC-Papers-Contemporary instructional approaches in postsecondary STEM - 03/17/2020 01:45pm to 03:15pm
Lisa M. McDonald	ST10:SC-Papers-Teachers' Understanding and Use of Science Curriculum and Assessment - 03/15/2020 02:40pm to 04:10pm,ST2:SC-Papers-Interest, Identity, & Empathy - 03/15/2020 04:20pm to 05:50pm,ST11:SC-Papers-Promoting Inclusion in Culturally and Linguistically Diverse Science Classrooms - 03/16/2020 10:15am to 11:45am,ST8:SC-Papers-Approaches to PD to Support Science Teaching - 03/18/2020 10:30am to 12:00pm,ST9:SC-Papers-Teacher Efficacy, Ownership, and Practice - 03/18/2020 08:30am to 10:00am,ST9:SC-Papers-Teachers' Beliefs and Identity in Their Reflective Practices - 03/18/2020 01:00pm to 02:30pm
Lisa Marco-Bujosa	ST11:SC-Papers-Exploring the Experiences and STEM Identity Development of Black Students and Teachers - 03/15/2020 02:40pm to 04:10pm,ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
Lisette Lopez	ST10:SC-Papers-Investigation of Teacher Knowledge - 03/18/2020 08:30am to 10:00am
Lloyd M. Mataka	ST2:SC-Papers-Perceptual & Conceptual Change - 03/18/2020 10:30am to 12:00pm
Lorelai Patrick	ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
Lorelei E. Patrick	ST5:SC-Papers-Frameworks of TA learning and development as educators - 03/15/2020 02:40pm to 04:10pm
Lorelie Imperial	ST5:SC-Papers-Diverse student perceptions, positioning, and retention in STEM - 03/17/2020 03:30pm to 05:00pm
Lorenda Chisolm	ST11:SC-Papers-Promoting Inclusion in Culturally and Linguistically Diverse Science Classrooms - 03/16/2020 10:15am to 11:45am
Lori Lockyer	ST2:SC-Papers-Perceptual & Conceptual Change - 03/18/2020 10:30am to 12:00pm
Lori Rubino-Hare	ST12:SC-Papers-Teaching with Technology - 03/18/2020 01:00pm to 02:30pm
Louise Mead	ST10:SC-Papers-Analyzing Real-world Data - 03/17/2020 09:45am to 11:15am
Lu Ding	ST1:SC-Papers-Student Learning - 03/17/2020 09:45am to 11:15am
Lu Wang	ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
Lucas Mulcahy	ST7:SC-Papers-Preservice Teaching Practices - 03/16/2020 10:15am to 11:45am
Lucia Chacon-Diaz	ST4:SC-Papers-Teacher knowledge and implementation - 03/15/2020 04:20pm to 05:50pm
Lucia Vazquez-Ben	ST3:SC-Papers-Teacher instructional practices for equity in the NGSS - 03/18/2020 01:00pm to 02:30pm
Lucy Avraamidou	ST11:-Storied-Identities as a Lens to Studying Science Identity - 03/16/2020 01:15pm to 02:45pm,ST11:RP-Spaces of Agency: Centering teacher agency and expanding contexts for equitable science teaching and learning - 03/16/2020 10:15am to 11:45am,ST16:AS-How to Get Your Research Published in Science Education Journals PAC Symposium - 03/17/2020 08:00am to 09:30am
Lucy Cho	ST12:RP-Beyond the novelty effect - examining learning affordances of XR educational technologies - 03/17/2020 08:00am to 09:30am
Lucy H. Gordon	ST5:SC-Papers-Investigating faculty change - 03/16/2020 08:30am to 10:00am
Lucy R. McClain	ST6:SC-Papers-Family engagement in informal science experiences - 03/16/2020 08:30am to 10:00am
Lucy Robinson	ST6:SC-Papers-Science learning in museums and zoos - 03/17/2020 03:30pm to 05:00pm

Luiz Gustavo Franco Silveira	ST2:SC-Papers-Moves in Teaching & Discourse - 03/16/2020 01:15pm to 02:45pm
Luronne Vaval	ST10:SC-Papers-Investigation of Teacher Knowledge - 03/18/2020 08:30am to 10:00am
Lydia Burke	ST6:SC-Papers-Learning science in informal science clubs and camps - 03/17/2020 09:45am to 11:15am
Lydia Ross	ST11:SC-Papers-Counterspaces and Critical Considerations in University Settings - 03/18/2020 10:30am to 12:00pm
Lynn A. Bryan	ST4:SC-Papers-STEM integration across disciplines - 03/15/2020 02:40pm to 04:10pm,ST3:SC-Papers-Early Childhood Scientific Thinking - 03/18/2020 08:30am to 10:00am
Lynn D. Dierking	ST6:S-Measuring the long-term effects of informal education experiences: An interactive research symposium - 03/18/2020 10:30am to 12:00pm
Lynn Uyen Tran	ST6:S-Professional Development Opportunities for Informal STEM Learning Professionals - 03/18/2020 01:00pm to 02:30pm
Lynne Zummo	ST16:AS-Sandra Sandra K. Abell Institute for Doctoral Students - 03/17/2020 08:00am to 09:30am,ST2:SC-Papers-Motivating Youth Engagement - 03/18/2020 08:30am to 10:00am
Lyric Bartholomay	ST14:SC-Papers-Environmental Education - learner's perspective - 03/15/2020 04:20pm to 05:50pm
Lyrice Lucas	ST4:RP-Critical Factors for Effective and Equitable NGSS Science Teaching Practices - 03/16/2020 10:15am to 11:45am
Maayan Schwartz	ST2:S-Epistemic aspects of engagement in novel contexts of learning physics - 03/17/2020 08:00am to 09:30am
Madhura Kulkarni	ST8:SC-Papers-Context in Professional Development - 03/16/2020 08:30am to 10:00am
Magdalena Grohman	ST5:SC-Papers-Developing students' contemporary practices - 03/17/2020 09:45am to 11:15am
Maggie Reid	ST7:SC-Papers-Preservice Teaching Practices - 03/16/2020 10:15am to 11:45am
Maggie Renken	ST6:SC-Papers-Science interest and identity formation in informal spaces - 03/17/2020 08:00am to 09:30am
Mahesh Tharu	ST14:RP-Traditional Ecological Knowledge (TEK): Water Stories, Sustainability, Models, and Evidence - 03/18/2020 10:30am to 12:00pm
Mahesh Tharu Chaudhary	ST16:AS-Indigenous Knowledge RIG - 03/17/2020 09:45am to 11:15am
Malcolm B. Butler	ST11:SC-Papers-Considerations for Girls & Women in Science and Engineering - 03/17/2020 03:30pm to 05:00pm
Mallory Jackson	ST5:SC-Papers-Tools and frameworks to measure students' success and struggles - 03/17/2020 01:45pm to 03:15pm
Mandana Sobhanzadeh	ST1:SC-Papers-New approaches to Learning - 03/17/2020 08:00am to 09:30am
Mandi Collins	ST7:SC-Papers-Preservice Teachers' Identities and Beliefs - 03/15/2020 04:20pm to 05:50pm
Manher Jariwala	ST5:SC-Papers-Using representations to learn science - 03/18/2020 08:30am to 10:00am
Manju Lind	ST2:RP-Disrupting Science Education Across Contexts: K-12 Learning, Teaching & Local Communities - 03/17/2020 09:45am to 11:15am
Manuela Miron	ST1:SC-Papers-Student Understandings about Energy and Light - 03/17/2020 01:45pm to 03:15pm
Marata Tamaira	ST11:SC-Papers-Renegotiating Multiculturalism & Multilingualism in Science Education - 03/15/2020 04:20pm to 05:50pm
Marc de Vries	ST4:SC-Papers-Formative Assessment tools and practices - 03/17/2020 09:45am to 11:15am
Marc Rodemer	ST1:RP-Learning and Teaching Evolution in High School: Challenges and Possible Remedies - 03/15/2020 02:40pm to 04:10pm,ST5:SC-Papers-Using representations to learn science - 03/18/2020 08:30am to 10:00am
Marcelle Siegel	ST11:SC-Papers-Persistence & Retention Strategies for Underrepresented Populations in STEM - 03/16/2020 08:30am to 10:00am
Marcia C. Linn	ST2:RP-Improving Guidance for Classroom Argumentation in Science Inquiry - 03/15/2020 04:20pm to 05:50pm
Marcia J Watson-Vandiver	ST1:AS-Developing Science Literacy and the Potential for Conceptual Change - 03/16/2020 08:30am to 10:00am
Marco Tacca	ST5:SC-Papers-Developing students' contemporary practices - 03/17/2020 09:45am to 11:15am
Marcos E Garcia-Ojeda	ST5:SC-Papers-Postsecondary educators' perceptions, planning, and practices - 03/15/2020 04:20pm to 05:50pm
Marcus Hammann	ST1:RP-Learning and Teaching Evolution in High School: Challenges and Possible Remedies - 03/15/2020 02:40pm to 04:10pm,ST1:RP-Recent Trends in Genetics Education Research - 03/15/2020 04:20pm to 05:50pm
Marcus Kubsch	ST15:SC-Papers-Examining Models of Change in STEM Education - 03/16/2020 01:15pm to 02:45pm,ST1:SC-Papers-Student Understandings about Energy and Light - 03/17/2020 01:45pm to 03:15pm
Margaret M. Lucero	ST8:SC-Papers-Professional Learning Communities - 03/17/2020 01:45pm to 03:15pm
Margaret R. Blanchard	ST5:SC-Papers-Engaging students' interdisciplinary connections - 03/18/2020 10:30am to 12:00pm
Maria Cecilia Nunez-Oviedo	ST1:SC-Papers-Modeling - 03/16/2020 01:15pm to 02:45pm

Maria Evagorou	ST8:RP-Teachers' beliefs, perceptions and knowledge of Socioscientific Issues for global citizenship - 03/18/2020 08:30am to 10:00am
María González-Howard	ST16:AS-Addressing Issues of Equity and Justice across Places and Context in Science - 03/15/2020 02:40pm to 04:10pm,ST1:SC-Papers-Engineering Framework - 03/16/2020 10:15am to 11:45am,ST11:SC-Papers-Considerations for Girls & Women in Science and Engineering - 03/17/2020 03:30pm to 05:00pm,ST2:SC-Papers-Agency - 03/17/2020 01:45pm to 03:15pm,ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
Maria Opfermann	ST1:SC-Papers-Modeling - 03/16/2020 01:15pm to 02:45pm
Maria S. Rivera Maulucci	ST11:SC-Papers-Promoting Inclusion in Culturally and Linguistically Diverse Science Classrooms - 03/16/2020 10:15am to 11:45am
Maria Varelas	ST11:S-Critical Views of Science Education Research in Linguistically and Culturally Diverse Contexts - 03/16/2020 08:30am to 10:00am,ST11:-Grappling with Coming Closer to Equity and Justice in Science Education: Students and Teachers Pondering Identities, Engaging in Multimodal Representations, and Pursuing Critical Hope - 03/16/2020 10:15am to 11:45am,ST11:RP-Learning from Minoritized Youths' Experiences and Promoting Equitable Science Teaching through Research-Practice Partnership - 03/16/2020 01:15pm to 02:45pm
Marie-Claude Beaudry	ST14:SC-Papers-Place-based and community-based education - 03/16/2020 08:30am to 10:00am
Marilyn Maxwell Stephens	ST8:SC-Papers-Teacher Learning in the Physical Sciences - 03/18/2020 10:30am to 12:00pm
Marin Melloy	ST5:SC-Papers-Postsecondary educators' perceptions, planning, and practices - 03/15/2020 04:20pm to 05:50pm,ST5:SC-Papers-Contemporary instructional approaches in postsecondary STEM - 03/17/2020 01:45pm to 03:15pm
Marina Tal	ST5:SC-Papers-Developing students' contemporary practices - 03/17/2020 09:45am to 11:15am
Marine Delaval	ST1:RP-Recent Trends in Genetics Education Research - 03/15/2020 04:20pm to 05:50pm
Mario Barajas	ST8:RP-Teachers' beliefs, perceptions and knowledge of Socioscientific Issues for global citizenship - 03/18/2020 08:30am to 10:00am
Mario Pickens	ST11:SC-Papers-Centering Race, Whiteness, and Cultural Responsiveness in Science Education - 03/17/2020 09:45am to 11:15am
Marion Usselman	ST10:SC-Papers-Teachers' Understanding and Use of Science Curriculum and Assessment - 03/15/2020 02:40pm to 04:10pm
Mariona Espinet	ST16:AS-International Perspectives on Science Education in Multicultural and Multilingual Contexts - 03/17/2020 01:45pm to 03:15pm
Marisol Mercado	ST10:RP-Automated Assessment of Argumentation in School Science: Developments and Challenges - 03/15/2020 02:40pm to 04:10pm
Marissa E. Bellino	ST7:SC-Papers-Retaining Preservice Physics Teachers - 03/16/2020 08:30am to 10:00am
Mariya Pachman	ST2:SC-Papers-Perceptual & Conceptual Change - 03/18/2020 10:30am to 12:00pm
Mark A. Chandler	ST14:RP-Modelling, Assessment, and Promotion of Climate Literacy - 03/17/2020 03:30pm to 05:00pm
Mark A. McDermott	ST8:SC-Papers-Argumentation in STEM Education - 03/17/2020 09:45am to 11:15am,ST3:SC-Papers-Integration in the Elementary Curriculum - 03/18/2020 10:30am to 12:00pm,ST7:SC-Papers-Preservice Teacher as Scholars and Professionals - 03/18/2020 01:00pm to 02:30pm
Mark Bloom	ST10:RP-Design, Development, and Testing of a Media-Rich Three-dimensional Middle School Science Unit - 03/18/2020 08:30am to 10:00am
Mark Brenneman	ST7:SC-Papers-Preservice Teacher Journaling and Reflection - 03/18/2020 08:30am to 10:00am
Mark Chandler	ST4:SC-Papers-Socioscientific issues in the science classroom - 03/16/2020 10:15am to 11:45am,ST1:SC-Papers-Understanding of Climate and Natural Systems - 03/18/2020 08:30am to 10:00am
Mark H. Newton	ST14:SC-Papers-Environmental Education - learner's perspective - 03/15/2020 04:20pm to 05:50pm
Mark Manone	ST12:SC-Papers-Teaching with Technology - 03/18/2020 01:00pm to 02:30pm
Mark R Wilson	ST10:RP-Automated Assessment of Argumentation in School Science: Developments and Challenges - 03/15/2020 02:40pm to 04:10pm,ST10:SC-Papers-Attitudes, Beliefs, Motivation, and Identity in Science Learning - 03/17/2020 01:45pm to 03:15pm
Mark Urban-Lurain	ST10:SC-Papers-Novel Approaches to Science Assessment - 03/15/2020 04:20pm to 05:50pm
Mark Windschitl	ST7:S-Context-Dependent Approaches to Partnering with Mentor Teachers: Supporting Novice Teachers Ambitious Science Teaching - 03/16/2020 08:30am to 10:00am
Marlena Wolfgramm	ST11:SC-Papers-Persistence & Retention Strategies for Underrepresented Populations in STEM - 03/16/2020 08:30am to 10:00am
Marlene Kliman	ST6:RP-Storybooks and STEM: Using Books as a Tool to Support Early Childhood Family STEM Learning - 03/17/2020 03:30pm to 05:00pm
Marsha Simon	ST8:SC-Papers-Teacher Learning in the Physical Sciences - 03/18/2020 10:30am to 12:00pm
Marta R Stoeckel	ST2:SC-Papers-Motivation & Self-Efficacy - 03/16/2020 10:15am to 11:45am

Martha M. Canipe	ST7:SC-Papers-Preservice Teaching Practices - 03/16/2020 10:15am to 11:45am
Martin F. Palermo	ST11:SC-Papers-Promoting Inclusion in Culturally and Linguistically Diverse Science Classrooms - 03/16/2020 10:15am to 11:45am
Martin Schwichow	ST10:SC-Papers-Analyzing Real-world Data - 03/17/2020 09:45am to 11:15am
Martin Storksdieck	ST6:S-Professional Development Opportunities for Informal STEM Learning Professionals - 03/18/2020 01:00pm to 02:30pm
Martina Brandenburger	ST10:SC-Papers-Analyzing Real-world Data - 03/17/2020 09:45am to 11:15am
Mary E. Short	ST2:SC-Papers-Socioscientific Reasoning, Decision-Making, & Discourse - 03/15/2020 04:20pm to 05:50pm
Mary Ellen Wolfinger	ST2:SC-Papers-The Chemistry Learning Environment - 03/15/2020 02:40pm to 04:10pm
Mary K. Stapleton	ST1:SC-Papers-Understanding of Climate and Natural Systems - 03/18/2020 08:30am to 10:00am
Mary M. Atwater	ST16:AS-Impacting Practice through Science Education Research: Communicating Within and Across Places, Contexts, and Communities - 03/17/2020 03:30pm to 05:00pm,ST16:AS-The African Diaspora Context: School, Community, and Citizenship in Science Education - 03/17/2020 01:45pm to 03:15pm,ST5:SC-Papers-Developing students' contemporary practices - 03/17/2020 09:45am to 11:15am
Mary McCormick	ST2:S-Early Childhood Engineering: Supporting Engineering Design Practices with Young Children and Their Families - 03/17/2020 08:00am to 09:30am
Mary Pat Wenderoth	ST5:SC-Papers-Tools and frameworks to measure students' success and struggles - 03/17/2020 01:45pm to 03:15pm
Mary Zhu	ST5:SC-Papers-Contemporary instructional approaches in postsecondary STEM - 03/17/2020 01:45pm to 03:15pm
Maryam Ghadiri Khanaposhtani	ST6:SC-Papers-Science learning in museums and zoos - 03/17/2020 03:30pm to 05:00pm
MaryMargaret Welch	ST14:RP-Fostering Young Learners' Socioecological Systems Reasoning and Decision-Making through Family and Community Supported Field-Based Science - 03/17/2020 01:45pm to 03:15pm
Matt Siberglitt	ST14:RP-Traditional Ecological Knowledge (TEK): Water Stories, Sustainability, Models, and Evidence - 03/18/2020 10:30am to 12:00pm
Matthew J. Brown	ST5:SC-Papers-Developing students' contemporary practices - 03/17/2020 09:45am to 11:15am
Matthew Johnson	ST4:SC-Papers-Intersecting Earth science and Engineering concept in the classroom - 03/18/2020 08:30am to 10:00am,ST8:SC-Papers-Research Experiences for Teachers - 03/18/2020 01:00pm to 02:30pm
Matthew Kloser	ST7:S-Context-Dependent Approaches to Partnering with Mentor Teachers: Supporting Novice Teachers Ambitious Science Teaching - 03/16/2020 08:30am to 10:00am,ST8:SC-Papers-Teacher Identity - 03/16/2020 01:15pm to 02:45pm,ST8:SC-Papers-Supporting Authentic Science Practices - 03/18/2020 08:30am to 10:00am
Matthew Wilsey	ST2:RP-Improving Guidance for Classroom Argumentation in Science Inquiry - 03/15/2020 04:20pm to 05:50pm,ST8:SC-Papers-Teacher Identity - 03/16/2020 01:15pm to 02:45pm,ST8:SC-Papers-Supporting Authentic Science Practices - 03/18/2020 08:30am to 10:00am
Maurice M.W. Cheng	ST4:SC-Papers-Teacher knowledge and implementation - 03/15/2020 04:20pm to 05:50pm
Maurício Pietrocola	ST16:AS-International Perspectives on Science Education in Multicultural and Multilingual Contexts - 03/17/2020 01:45pm to 03:15pm
Mavreen Rose S. Tuvilla	ST11:S-Critical Views of Science Education Research in Linguistically and Culturally Diverse Contexts - 03/16/2020 08:30am to 10:00am,ST6:SC-Papers-Informal science in afterschool programs - 03/16/2020 01:15pm to 02:45pm
Maximilan Sherard	ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
Maximilian Göhner	ST7:SC-Papers-Preservice Teaching Practices - 03/16/2020 10:15am to 11:45am
May Antoun	ST11:SC-Papers-Renegotiating Multiculturalism & Multilingualism in Science Education - 03/15/2020 04:20pm to 05:50pm
Maya Antoun	ST2:SC-Papers-Language & Learning Science - 03/15/2020 02:40pm to 04:10pm
Maya Salcido White	ST4:SC-Papers-NGSS - Practices and Implementation - 03/17/2020 03:30pm to 05:00pm
Meena M. Balgopal	ST14:SC-Papers-Place-based and community-based education - 03/16/2020 08:30am to 10:00am,ST14:SC-Papers-Citizen engagement: Between attitudes and behavior - 03/18/2020 01:00pm to 02:30pm
Megan Bang	ST14:RP-Fostering Young Learners' Socioecological Systems Reasoning and Decision-Making through Family and Community Supported Field-Based Science - 03/17/2020 01:45pm to 03:15pm
Megan Beckam	ST7:SC-Papers-Preservice Teachers' Identities and Beliefs - 03/15/2020 04:20pm to 05:50pm
Megan Ennes	ST6:SC-Papers-Family engagement in informal science experiences - 03/16/2020 08:30am to 10:00am,ST6:SC-Papers-Museum participant experiences - 03/16/2020 10:15am to 11:45am
Megan Goss	ST10:SC-Papers-Investigation of Teacher Knowledge - 03/18/2020 08:30am to 10:00am
Megan K Littrell	ST6:SC-Papers-Science learning through non-traditional ISL experiences - 03/18/2020 08:30am to 10:00am
Megan McKinley-Kicks	ST8:SC-Papers-Teacher Learning in the Biological/Environmental Sciences - 03/18/2020 01:00pm to 02:30pm

Megan Selbach-Allen	ST10:SC-Papers-Integration of STEM disciplines - 03/18/2020 01:00pm to 02:30pm
Meghan E. Marrero	ST7:SC-Papers-Making Instructional Decisions: Assessment and edTPA - 03/17/2020 09:45am to 11:15am
Meghan Macias	ST7:SC-Papers-Accessing Funds of Knowledge to Enhance Instruction - 03/15/2020 04:20pm to 05:50pm,ST2:SC-Papers-Agency - 03/17/2020 01:45pm to 03:15pm,ST4:SC-Papers-NGSS - Practices and Implementation - 03/17/2020 03:30pm to 05:00pm
Mei-Hung Chiu	ST10:SC-Papers-Assessing scientific concepts across disciplines - 03/17/2020 03:30pm to 05:00pm
Melanie Kinskey	ST13:SC-Papers-SSI and NOS - 03/17/2020 09:45am to 11:15am,ST16:AS-Graduate Student Research Symposium - 03/17/2020 03:30pm to 05:00pm,ST7:SC-Papers-Informal Science Education and Socioscientific Issues - 03/17/2020 08:00am to 09:30am
Melat Anteneh	ST12:RP-Beyond the novelty effect – examining learning affordances of XR educational technologies - 03/17/2020 08:00am to 09:30am
Melissa Braaten	ST8:S-Equity and Elementary Science Teaching & Learning - 03/17/2020 01:45pm to 03:15pm
Melissa J. Luna	ST3:SC-Papers-Teacher knowledge, beliefs, & use of science practices with students - 03/15/2020 02:40pm to 04:10pm
Melissa Kaufman	ST15:SC-Papers-Understanding and Supporting STEM Education Improvement Efforts Within Schools and Districts - 03/16/2020 10:15am to 11:45am
Melissa Kjelvik	ST10:SC-Papers-Analyzing Real-world Data - 03/17/2020 09:45am to 11:15am
Melissa M. Cieto	ST6:SC-Papers-Informal science in afterschool programs - 03/16/2020 01:15pm to 02:45pm
Melissa R. Campanella	ST8:SC-Papers-Assessment to Support NGSS Implementation - 03/15/2020 02:40pm to 04:10pm
Melissa Schoene	ST11:SC-Papers-Reconceptualizing the Pathways and Experiences of Women of Color in STEM - 03/16/2020 01:15pm to 02:45pm
Melissa Zwick	ST5:SC-Papers-Affordances for students' literacy and engagement in postsecondary biology - 03/16/2020 08:30am to 10:00am
Melo-Jean Yap	ST5:SC-Papers-Diverse student perceptions, positioning, and retention in STEM - 03/17/2020 03:30pm to 05:00pm
Melody Russell	ST11:SC-Papers-Considerations for Girls & Women in Science and Engineering - 03/17/2020 03:30pm to 05:00pm,ST4:SC-Papers-Science across contexts - 03/17/2020 01:45pm to 03:15pm
Meltem Alemdar	ST10:SC-Papers-Teachers' Understanding and Use of Science Curriculum and Assessment - 03/15/2020 02:40pm to 04:10pm,ST8:SC-Papers-Professional Development to Support Induction of New Science Teachers - 03/18/2020 10:30am to 12:00pm
Meredith P. Thompson	ST12:RP-Beyond the novelty effect – examining learning affordances of XR educational technologies - 03/17/2020 08:00am to 09:30am,ST7:SC-Papers-Preservice Teacher Recruitment - 03/17/2020 01:45pm to 03:15pm
Meredith Park Rogers	ST3:SC-Papers-Teacher instructional practices for equity in the NGSS - 03/18/2020 01:00pm to 02:30pm
Merijke Coenraad	ST7:SC-Papers-Preservice Teaching Practices - 03/16/2020 10:15am to 11:45am
Merredith D. Portsmore	ST8:SC-Papers-Engineering Practices to Support NGSS - 03/15/2020 04:20pm to 05:50pm,ST2:SC-Papers-Moves in Teaching & Discourse - 03/16/2020 01:15pm to 02:45pm,ST2:S-Early Childhood Engineering: Supporting Engineering Design Practices with Young Children and Their Families - 03/17/2020 08:00am to 09:30am
Merryn Cole	ST4:SC-Papers-Intersecting Earth science and Engineering concept in the classroom - 03/18/2020 08:30am to 10:00am
Mesfin Tadesse Beshah	ST4:SC-Papers-Formative Assessment tools and practices - 03/17/2020 09:45am to 11:15am
Mia DeLaRosa	ST2:RP-Constructing and Receiving Peer Feedback on Engineering Designs: Student Engagement and Pedagogical Supports - 03/18/2020 01:00pm to 02:30pm
Micaela Balzer	ST6:S-Professional Development Opportunities for Informal STEM Learning Professionals - 03/18/2020 01:00pm to 02:30pm
Michael A. Arove	ST11:SC-Papers-Embracing Indigenous Knowledge of the African Diaspora and Tribal Communities - 03/18/2020 01:00pm to 02:30pm
Michael Abebe	ST5:SC-Papers-Frameworks of TA learning and development as educators - 03/15/2020 02:40pm to 04:10pm
Michael Corrigan	ST1:SC-Papers-Student Learning - 03/17/2020 09:45am to 11:15am,ST3:SC-Papers-Integration in the Elementary Curriculum - 03/18/2020 10:30am to 12:00pm
Michael Dias	ST6:AS-Igniting Informal Science - 03/15/2020 02:40pm to 04:10pm,ST3:RP-Analyses of Elementary Preservice and Inservice Teachers' Use of Crosscutting Concepts in Plans and Enactments - 03/16/2020 08:30am to 10:00am,ST9:SC-Papers-Teachers' Beliefs and Identity in Their Reflective Practices - 03/18/2020 01:00pm to 02:30pm
Michael Giamellaro	ST14:SC-Papers-Place-based and community-based education - 03/16/2020 08:30am to 10:00am,ST2:SC-Papers-Teacher Perspectives, Contexts, Networks, & Roles - 03/17/2020 09:45am to 11:15am
Michael Gonzalez	ST8:SC-Papers-Teacher Learning in the Biological/Environmental Sciences - 03/18/2020 01:00pm to 02:30pm

Michael Horn	ST8:SC-Papers-Professional Development using Computational Thinking and Robotics - 03/17/2020 08:00am to 09:30am
Michael J. Reiss	ST10:S-What is the science curriculum of today and the future? - 03/18/2020 01:00pm to 02:30pm
Michael Mitchell	ST13:SC-Papers-SSI and NOS - 03/17/2020 09:45am to 11:15am
Michal Haskel-Ittah	ST1:RP-Recent Trends in Genetics Education Research - 03/15/2020 04:20pm to 05:50pm
Michal Vinker	ST2:SC-Papers-Motivation & Self-Efficacy - 03/16/2020 10:15am to 11:45am
Michal Zion	ST2:SC-Papers-Inquiry Science Learning - 03/18/2020 01:00pm to 02:30pm
Micheline Chi	ST1:SC-Papers-Student Learning - 03/17/2020 09:45am to 11:15am
Michelle Brown	ST11:SC-Papers-Using Critical Frameworks to Disrupt Deficit Perspectives of Latinx Teachers, Students, and Communities - 03/17/2020 09:45am to 11:15am
Michelle Forsythe	ST7:SC-Papers-Preservice Teaching Practices - 03/16/2020 10:15am to 11:45am
Michelle Friend	ST10:SC-Papers-Teachers' Understanding and Use of Science Curriculum and Assessment - 03/15/2020 02:40pm to 04:10pm,ST3:SC-Papers-Supporting elementary & early childhood STEM learning - 03/15/2020 04:20pm to 05:50pm
Michelle Jordan	ST2:RP-Constructing and Receiving Peer Feedback on Engineering Designs: Student Engagement and Pedagogical Supports - 03/18/2020 01:00pm to 02:30pm
Michelle L. Sinapuelas	ST7:SC-Papers-Building Preservice Teacher Capacity through Stakeholders - 03/16/2020 10:15am to 11:45am
Michelle Lovett	ST14:SC-Papers-Environmental and social responsibility - 03/18/2020 08:30am to 10:00am
Michelle Salgado	ST3:RP-Engaging Young Children in Science and Engineering Practices: Approaches to Research and Design - 03/17/2020 08:00am to 09:30am
Michelle Williams	ST2:RP-Disrupting Science Education Across Contexts: K-12 Learning, Teaching & Local Communities - 03/17/2020 09:45am to 11:15am
Mihwa Park	ST1:SC-Papers-Supporting Understanding with Mathematics and Computational Thinking - 03/16/2020 08:30am to 10:00am
Miia Rannikmae	ST1:SC-Papers-New approaches to Learning - 03/17/2020 08:00am to 09:30am,ST13:SC-Papers-SSI and NOS - 03/17/2020 09:45am to 11:15am,ST2:SC-Papers-Students & STEM Careers - 03/18/2020 01:00pm to 02:30pm,ST9:SC-Papers-Teacher Efficacy, Ownership, and Practice - 03/18/2020 08:30am to 10:00am
Miiri Kotche	ST8:SC-Papers-Meeting the Content Needs of STEM Educators - 03/16/2020 10:15am to 11:45am
Mike Barnett	ST12:SC-Papers-New Methods of Measurement and Analysis to Move the Field Forward - 03/18/2020 08:30am to 10:00am,ST8:SC-Papers-Teacher Learning in the Biological/Environmental Sciences - 03/18/2020 01:00pm to 02:30pm
Mikhail Miller	ST11:RP-Creating Space for the Inclusion of Social Justice within Engineering Learning Environments - 03/15/2020 02:40pm to 04:10pm,ST2:RP-Constructing and Receiving Peer Feedback on Engineering Designs: Student Engagement and Pedagogical Supports - 03/18/2020 01:00pm to 02:30pm
Min Jung Lee	ST7:SC-Papers-Shifting the Teaching Paradigm - 03/17/2020 08:00am to 09:30am
Mina Min	ST9:SC-Papers-Teachers' Beliefs and Identity in Their Reflective Practices - 03/18/2020 01:00pm to 02:30pm
Ming Tomayko	ST1:SC-Papers-Engineering Framework - 03/16/2020 10:15am to 11:45am
Minghui Zhu	ST2:SC-Papers-Argumentation & Sense-Making - 03/17/2020 03:30pm to 05:00pm
Minjung Ryu	ST11:S-Critical Views of Science Education Research in Linguistically and Culturally Diverse Contexts - 03/16/2020 08:30am to 10:00am,ST6:SC-Papers-Informal science in afterschool programs - 03/16/2020 01:15pm to 02:45pm
Minsu Ha	ST13:SC-Papers-NOS and Teachers' Perceptions - 03/16/2020 01:15pm to 02:45pm
Miray Tekkumru Kisa	ST5:SC-Papers-Frameworks of TA learning and development as educators - 03/15/2020 02:40pm to 04:10pm,ST7:SC-Papers-Accessing Funds of Knowledge to Enhance Instruction - 03/15/2020 04:20pm to 05:50pm,ST4:SC-Papers-Dialogic instruction and sense-making of science concepts - 03/17/2020 08:00am to 09:30am
Miri I. Barak	ST12:SC-Papers-Breakthroughs in Online Learning - 03/17/2020 03:30pm to 05:00pm,ST5:SC-Papers-Tools and frameworks to measure students' success and struggles - 03/17/2020 01:45pm to 03:15pm,ST6:SC-Papers-Science learning through non-traditional ISL experiences - 03/18/2020 08:30am to 10:00am
Mohamed A. El Nagdi	ST8:SC-Papers-Teacher Identity - 03/16/2020 01:15pm to 02:45pm
Mohammed A. Aljallal	ST2:SC-Papers-Characteristics of the Learning Environment - 03/18/2020 08:30am to 10:00am
Mohammed Estaiteyeh	ST10:SC-Papers-Analysis and Evaluation of Science Curricula - 03/17/2020 08:00am to 09:30am,ST4:SC-Papers-Inquiry-based instruction and explorative science practices - 03/18/2020 10:30am to 12:00pm,ST8:SC-Papers-Teacher Learning in the Biological/Environmental Sciences - 03/18/2020 01:00pm to 02:30pm

Mojtaba Khajeloo	ST11:SC-Papers-Persistence & Retention Strategies for Underrepresented Populations in STEM - 03/16/2020 08:30am to 10:00am
Molly Fisher	ST7:SC-Papers-Preservice Teacher as Scholars and Professionals - 03/18/2020 01:00pm to 02:30pm
Molly Stuhlsatz	ST10:RP-Automated Assessment of Argumentation in School Science: Developments and Challenges - 03/15/2020 02:40pm to 04:10pm,ST10:SC-Papers-Analyzing Real-world Data - 03/17/2020 09:45am to 11:15am,ST8:RP-Scaling an Effective Analysis-of-Practice PD Program in Two High-Needs Districts: Impacts, Successes, and Challenges - 03/17/2020 03:30pm to 05:00pm
Mona L. Schönfelder	ST14:SC-Papers-Environmental Education - learner's perspective - 03/15/2020 04:20pm to 05:50pm
Monica Bugallo	ST11:SC-Papers-Persistence & Retention Strategies for Underrepresented Populations in STEM - 03/16/2020 08:30am to 10:00am,ST8:SC-Papers-Student Achievement - 03/17/2020 03:30pm to 05:00pm
Monica Cardella	ST2:S-Early Childhood Engineering: Supporting Engineering Design Practices with Young Children and Their Families - 03/17/2020 08:00am to 09:30am
Monica E. Cardella	ST2:S-Early Childhood Engineering: Supporting Engineering Design Practices with Young Children and Their Families - 03/17/2020 08:00am to 09:30am
Monica F. Bugallo	ST8:SC-Papers-Engineering Practices to Support NGSS - 03/15/2020 04:20pm to 05:50pm
Monica L Ridgeway Miles	ST11:SC-Papers-Reconceptualizing the Pathways and Experiences of Women of Color in STEM - 03/16/2020 01:15pm to 02:45pm,ST11:SC-Papers-Counterspaces and Critical Considerations in University Settings - 03/18/2020 10:30am to 12:00pm
Monica Plisch	ST11:SC-Papers-Considerations for Girls & Women in Science and Engineering - 03/17/2020 03:30pm to 05:00pm
Monica Weindling	ST1:RP-Recent Trends in Genetics Education Research - 03/15/2020 04:20pm to 05:50pm,ST1:SC-Papers-Understandings about Genetics, Evolution, and Natural Selection - 03/18/2020 10:30am to 12:00pm
Moonika Teppo	ST2:SC-Papers-Students & STEM Careers - 03/18/2020 01:00pm to 02:30pm
Moritz Krell	ST7:SC-Papers-Preservice Teaching Practices - 03/16/2020 10:15am to 11:45am
Mounir R. Saleh	ST7:SC-Papers-Preservice Teacher Journaling and Reflection - 03/18/2020 08:30am to 10:00am
Mumiah Rasmusen	ST11:SC-Papers-Centering Race, Whiteness, and Cultural Responsiveness in Science Education - 03/17/2020 09:45am to 11:15am
Mustafa S. Topcu	ST5:SC-Papers-Postsecondary educators' perceptions, planning, and practices - 03/15/2020 04:20pm to 05:50pm
Mwenda Kudumu	ST6:SC-Papers-Educating informal science educators - 03/15/2020 04:20pm to 05:50pm
Mythreyi Kumaraswamy	ST14:SC-Papers-Place-based and community-based education - 03/16/2020 08:30am to 10:00am
Myunghwan Shin	ST7:SC-Papers-Accessing Funds of Knowledge to Enhance Instruction - 03/15/2020 04:20pm to 05:50pm
Nam-Hwa Kang	ST10:SC-Papers-Analyzing Real-world Data - 03/17/2020 09:45am to 11:15am
Namsoo Shin	ST2:RP-Characterizing computational thinking in the context of technology-enhanced multilevel system modeling - 03/16/2020 10:15am to 11:45am,ST10:SC-Papers-Assessing scientific concepts across disciplines - 03/17/2020 03:30pm to 05:00pm
Nancy L. Staus	ST6:AS-Igniting Informal Science - 03/15/2020 02:40pm to 04:10pm,ST6:S-Measuring the long-term effects of informal education experiences: An interactive research symposium - 03/18/2020 10:30am to 12:00pm
Naneh Apkarian	ST5:SC-Papers-Faculty positioning and partnerships to support teaching - 03/18/2020 01:00pm to 02:30pm
Nannan Fan	ST13:SC-Papers-SSI and NOS - 03/17/2020 09:45am to 11:15am
Natalie Harr Ylizarde	ST9:SC-Papers-Teacher Efficacy, Ownership, and Practice - 03/18/2020 08:30am to 10:00am
Natalie S. King	ST11:SC-Papers-Commitment to Equity & Social Justice for Girls and Women of Color in STEM - 03/17/2020 01:45pm to 03:15pm
Natasha G Holmes	ST2:S-Epistemic aspects of engagement in novel contexts of learning physics - 03/17/2020 08:00am to 09:30am
Nathan Magee	ST7:SC-Papers-Retaining Preservice Physics Teachers - 03/16/2020 08:30am to 10:00am
Nathan Quarderer	ST14:RP-Modelling, Assessment, and Promotion of Climate Literacy - 03/17/2020 03:30pm to 05:00pm
Naveen Namboothri	ST14:SC-Papers-Place-based and community-based education - 03/16/2020 08:30am to 10:00am
Neal Grandgenett	ST3:SC-Papers-Supporting elementary & early childhood STEM learning - 03/15/2020 04:20pm to 05:50pm
Neil Martin	ST6:SC-Papers-Learning science in informal science clubs and camps - 03/17/2020 09:45am to 11:15am
Nejla Yürük	ST12:SC-Papers-New Methods of Measurement and Analysis to Move the Field Forward - 03/18/2020 08:30am to 10:00am
Nena Bloom	ST12:SC-Papers-Teaching with Technology - 03/18/2020 01:00pm to 02:30pm
Neta Shaby	ST6:AS-Igniting Informal Science - 03/15/2020 02:40pm to 04:10pm,ST6:SC-Papers-Museum participant experiences - 03/16/2020 10:15am to 11:45am,ST6:SC-Papers-Science learning in museums and zoos - 03/17/2020 03:30pm to 05:00pm,ST6:S-Measuring the long-term effects of informal education experiences: An interactive research symposium - 03/18/2020 10:30am to 12:00pm
Netta Perry	ST3:SC-Papers-Early Childhood Scientific Thinking - 03/18/2020 08:30am to 10:00am

Netzach Farbiash	ST6:SC-Papers-Science interest and identity formation in informal spaces - 03/17/2020 08:00am to 09:30am
Ngawang Y. Gonsar	ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
Ngozika M. Mbajjorgu	ST2:SC-Papers-Complexity, Cognition, & the Human Experience - 03/18/2020 10:30am to 12:00pm
Nicholas Gans	ST5:SC-Papers-Developing students' contemporary practices - 03/17/2020 09:45am to 11:15am
Nicholas Garafolo	ST8:SC-Papers-Engineering Practices to Support NGSS - 03/15/2020 04:20pm to 05:50pm
Nicholas Lytle	ST10:SC-Papers-Analysis and Evaluation of Science Curricula - 03/17/2020 08:00am to 09:30am
Nick Haddad	ST1:SC-Papers-Student Understandings about Energy and Light - 03/17/2020 01:45pm to 03:15pm
Nicole A. Batrouny	ST2:RP-Constructing and Receiving Peer Feedback on Engineering Designs: Student Engagement and Pedagogical Supports - 03/18/2020 01:00pm to 02:30pm
Nicole Graulich	ST5:SC-Papers-Using representations to learn science - 03/18/2020 08:30am to 10:00am
Nicole Hesson	ST7:SC-Papers-Preservice teachers' self-efficacy in engineering - 03/15/2020 02:40pm to 04:10pm
Nicole Pillemer	ST6:SC-Papers-Science learning in museums and zoos - 03/17/2020 03:30pm to 05:00pm
Nicole Suarez	ST5:SC-Papers-Faculty positioning and partnerships to support teaching - 03/18/2020 01:00pm to 02:30pm
Nicole Thomas	ST3:RP-Analyses of Elementary Preservice and Inservice Teachers' Use of Crosscutting Concepts in Plans and Enactments - 03/16/2020 08:30am to 10:00am
Nicole Wickler	ST8:RP-Scaling an Effective Analysis-of-Practice PD Program in Two High-Needs Districts: Impacts, Successes, and Challenges - 03/17/2020 03:30pm to 05:00pm
Nicole Zillmer	ST10:SC-Papers-Investigation of Teacher Knowledge - 03/18/2020 08:30am to 10:00am
Nidaa Makki	ST8:SC-Papers-Engineering Practices to Support NGSS - 03/15/2020 04:20pm to 05:50pm
Niki Derosia	ST11:SC-Papers-Exploring the Experiences and STEM Identity Development of Black Students and Teachers - 03/15/2020 02:40pm to 04:10pm
Niklas M. Gericke	ST1:RP-Recent Trends in Genetics Education Research - 03/15/2020 04:20pm to 05:50pm
Nils Machts	ST1:RP-Learning and Teaching Evolution in High School: Challenges and Possible Remedies - 03/15/2020 02:40pm to 04:10pm
Nina Hike	ST11:-Grappling with Coming Closer to Equity and Justice in Science Education: Students and Teachers Pondering Identities, Engaging in Multimodal Representations, and Pursuing Critical Hope - 03/16/2020 10:15am to 11:45am
Nir Madjar	ST2:SC-Papers-Inquiry Science Learning - 03/18/2020 01:00pm to 02:30pm
Nirit Lavie Alon	ST10:RP-Productively Engaging 'Community' in Project-Based Learning: Approaches to Supporting Meaningful Science Learning in Formal Classrooms - 03/16/2020 01:15pm to 02:45pm
Nitasha Mathayas	ST12:SC-Papers-Digital Tools: Research and Demonstration Showcase - 03/18/2020 10:30am to 12:00pm
Niva Wengrowicz	ST12:SC-Papers-Breakthroughs in Online Learning - 03/17/2020 03:30pm to 05:00pm
Noemi Waight	ST11:SC-Papers-Promoting Inclusion in Culturally and Linguistically Diverse Science Classrooms - 03/16/2020 10:15am to 11:45am,ST16:AS-Diverse Scholarly Trajectories in Science Education: Charting Pathways for Science Education Research - 03/17/2020 09:45am to 11:15am,ST2:SC-Papers-Inquiry Science Learning - 03/18/2020 01:00pm to 02:30pm
Nonye M. Alozie	ST4:SC-Papers-NGSS - Practices and Implementation - 03/17/2020 03:30pm to 05:00pm,ST1:SC-Papers-Understandings about Genetics, Evolution, and Natural Selection - 03/18/2020 10:30am to 12:00pm
Nora Kneip	ST11:RP-Spaces of Agency: Centering teacher agency and expanding contexts for equitable science teaching and learning - 03/16/2020 10:15am to 11:45am
Norman G. Lederman	ST13:SC-Papers-Learning of NOS - 03/15/2020 04:20pm to 05:50pm,ST4:SC-Papers-Socioscientific issues in the science classroom - 03/16/2020 10:15am to 11:45am,ST10:SC-Papers-Attitudes, Beliefs, Motivation, and Identity in Science Learning - 03/17/2020 01:45pm to 03:15pm,ST16:AS-Impacting Practice through Science Education Research: Communicating Within and Across Places, Contexts, and Communities - 03/17/2020 03:30pm to 05:00pm,ST16:AS-NSTA-Translating your Research into Forms that are Useful to K-12 Science Educators - 03/18/2020 08:30am to 10:00am
Norris Armstrong	ST5:SC-Papers-Affordances for students' literacy and engagement in postsecondary biology - 03/16/2020 08:30am to 10:00am
Noushin Nouri	ST13:SC-Papers-NOS and Teachers' Perceptions - 03/16/2020 01:15pm to 02:45pm,ST11:SC-Papers-Using Critical Frameworks to Disrupt Deficit Perspectives of Latinx Teachers, Students, and Communities - 03/17/2020 09:45am to 11:15am
Ntiana Sachmpazidi	ST15:SC-Papers-Understanding and Supporting STEM Education Improvement Efforts Within Schools and Districts - 03/16/2020 10:15am to 11:45am
Nurit Carmi	ST14:SC-Papers-Environmental Education - educator's perspective - 03/15/2020 02:40pm to 04:10pm
Olivia Ho-Shing	ST6:SC-Papers-Science interest and identity formation in informal spaces - 03/17/2020 08:00am to 09:30am
Ora D. Tanner	ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am

Orit Ben Zvi Assaraf	ST6:SC-Papers-Science interest and identity formation in informal spaces - 03/17/2020 08:00am to 09:30am,ST6:SC-Papers-Science learning in museums and zoos - 03/17/2020 03:30pm to 05:00pm,ST2:SC-Papers-Complexity, Cognition, & the Human Experience - 03/18/2020 10:30am to 12:00pm
Orna Dahan	ST1:RP-Learning and Teaching Evolution in High School: Challenges and Possible Remedies - 03/15/2020 02:40pm to 04:10pm
Ornit Spektor-Levy	ST3:SC-Papers-Early Childhood Scientific Thinking - 03/18/2020 08:30am to 10:00am
Ozlem Akcil Okan	ST8:SC-Papers-Context in Professional Development - 03/16/2020 08:30am to 10:00am,ST4:SC-Papers-Dialogic instruction and sense-making of science concepts - 03/17/2020 08:00am to 09:30am
P. David Pearson	ST10:SC-Papers-Investigation of Teacher Knowledge - 03/18/2020 08:30am to 10:00am
Pablo Bendiksen Gutierrez	ST2:SC-Papers-Motivating Youth Engagement - 03/18/2020 08:30am to 10:00am
Paichi Shein	ST14:RP-Traditional Ecological Knowledge (TEK): Water Stories, Sustainability, Models, and Evidence - 03/18/2020 10:30am to 12:00pm
Pamela Harrell	ST7:SC-Papers-Informal Science Education and Socioscientific Issues - 03/17/2020 08:00am to 09:30am
Pamela Huff	ST6:SC-Papers-Family engagement in informal science experiences - 03/16/2020 08:30am to 10:00am,ST6:SC-Papers-Museum participant experiences - 03/16/2020 10:15am to 11:45am
Pamela S. Lottero-Perdue	ST3:SC-Papers-Teacher knowledge, beliefs, & use of science practices with students - 03/15/2020 02:40pm to 04:10pm,ST1:SC-Papers-Engineering Framework - 03/16/2020 10:15am to 11:45am,ST7:SC-Papers-Science Education and Cultural Access - 03/16/2020 01:15pm to 02:45pm
Patricia J. Friedrichsen	ST10:RP-Socio-scientific Issue and Model Based Learning (SIMBL): Advances in Research to Inform Practice and Theory - 03/16/2020 10:15am to 11:45am
Patricia Patrick	ST15:SC-Papers-Examining Models of Change in STEM Education - 03/16/2020 01:15pm to 02:45pm
Patricia Ramirez-Biondolillo	ST11:SC-Papers-Using Critical Frameworks to Disrupt Deficit Perspectives of Latinx Teachers, Students, and Communities - 03/17/2020 09:45am to 11:15am
Patricia S. Bills	ST8:SC-Papers-Context in Professional Development - 03/16/2020 08:30am to 10:00am
Patrícia Silva	ST6:SC-Papers-Science learning in museums and zoos - 03/17/2020 03:30pm to 05:00pm
Patrick Danner	ST11:RP-Creating Space for the Inclusion of Social Justice within Engineering Learning Environments - 03/15/2020 02:40pm to 04:10pm
Patrick J. Enderle	ST8:SC-Papers-Context in Professional Development - 03/16/2020 08:30am to 10:00am,ST16:AS-Promoting an International Focus on Research and Science Teacher Education to Improve Science and Special Education - 03/17/2020 03:30pm to 05:00pm,ST6:SC-Papers-Science interest and identity formation in informal spaces - 03/17/2020 08:00am to 09:30am
Patrick S. Smith	ST3:RP-Elementary Science Instruction in the US: Warning Signs and Ways Forward - 03/16/2020 01:15pm to 02:45pm,ST4:S-Secondary Science Teaching in the US: Current Status, Trends over Time, and Factors Affecting Instruction - 03/16/2020 08:30am to 10:00am
Paul Asunda	ST10:SC-Papers-Integration of STEM disciplines - 03/18/2020 01:00pm to 02:30pm
Paul Blowers	ST5:SC-Papers-Investigating faculty change - 03/16/2020 08:30am to 10:00am,ST5:SC-Papers-Empowering emerging postsecondary educators - 03/18/2020 08:30am to 10:00am
Paul Horwitz	ST12:RP-Technology-Enhanced Framing of Data to Facilitate Classroom Enactment of Science Practices - 03/17/2020 01:45pm to 03:15pm
Paul Kuschmierz	ST10:SC-Papers-Attitudes, Beliefs, Motivation, and Identity in Science Learning - 03/17/2020 01:45pm to 03:15pm
Paul Le	ST11:-Storied-Identities as a Lens to Studying Science Identity - 03/16/2020 01:15pm to 02:45pm
Paul M. Beardsley	ST8:RP-Scaling an Effective Analysis-of-Practice PD Program in Two High-Needs Districts: Impacts, Successes, and Challenges - 03/17/2020 03:30pm to 05:00pm
Paula Lemons	ST5:SC-Papers-Investigating faculty change - 03/16/2020 08:30am to 10:00am,ST7:SC-Papers-Preservice Teacher Recruitment - 03/17/2020 01:45pm to 03:15pm,ST5:SC-Papers-Faculty positioning and partnerships to support teaching - 03/18/2020 01:00pm to 02:30pm
Paulette Vincent-Ruz	ST5:RP-The Impact of Chemistry Education Research on Theory Development, Classroom Improvements, and Pre-Service Teacher Training - 03/17/2020 08:00am to 09:30am
Pauline W. U. Chinn	ST14:RP-Traditional Ecological Knowledge (TEK): Water Stories, Sustainability, Models, and Evidence - 03/18/2020 10:30am to 12:00pm
Peggy J. Trygstad	ST3:RP-Elementary Science Instruction in the US: Warning Signs and Ways Forward - 03/16/2020 01:15pm to 02:45pm,ST4:S-Secondary Science Teaching in the US: Current Status, Trends over Time, and Factors Affecting Instruction - 03/16/2020 08:30am to 10:00am
Pei-Ling Hsu	ST6:SC-Papers-Educating informal science educators - 03/15/2020 04:20pm to 05:50pm
Pei Pei Liu	ST4:SC-Papers-NGSS - Practices and Implementation - 03/17/2020 03:30pm to 05:00pm
Peng He	ST10:SC-Papers-Assessing scientific concepts across disciplines - 03/17/2020 03:30pm to 05:00pm
Peresang Sukinarhimicc	ST14:RP-Traditional Ecological Knowledge (TEK): Water Stories, Sustainability, Models, and Evidence - 03/18/2020 10:30am to 12:00pm

Peter A. Okebukola	ST11:SC-Papers-Embracing Indigenous Knowledge of the African Diaspora and Tribal Communities - 03/18/2020 01:00pm to 02:30pm
Peter Edelsbrunner	ST10:SC-Papers-Analyzing Real-world Data - 03/17/2020 09:45am to 11:15am
Peter Paprzycki	ST3:SC-Papers-Early Childhood Scientific Thinking - 03/18/2020 08:30am to 10:00am
Peter S. Garik	ST15:SC-Papers-Understanding and Supporting STEM Education Improvement Efforts Within Schools and Districts - 03/16/2020 10:15am to 11:45am
Peter van Rijn	ST10:SC-Papers-Novel Approaches to Science Assessment - 03/15/2020 04:20pm to 05:50pm
Petra Kranzfelder	ST5:SC-Papers-Postsecondary educators' perceptions, planning, and practices - 03/15/2020 04:20pm to 05:50pm,ST5:SC-Papers-Contemporary instructional approaches in postsecondary STEM - 03/17/2020 01:45pm to 03:15pm
Phaidra Buchanan	ST7:SC-Papers-Science Education and Cultural Access - 03/16/2020 01:15pm to 02:45pm
Philip L. Bell	ST2:SC-Papers-Interest, Identity, & Empathy - 03/15/2020 04:20pm to 05:50pm,ST16:AS-Research Practice Partnerships: Collaborations toward equitable STEM education research, reform, and implementation - 03/16/2020 08:30am to 10:00am
Philipp Schmiemann	ST5:SC-Papers-Student understandings and perceptions of evolution - 03/17/2020 08:00am to 09:30am
Phyllis Katz	ST6:RP-Storybooks and STEM: Using Books as a Tool to Support Early Childhood Family STEM Learning - 03/17/2020 03:30pm to 05:00pm
Pierre Chastenay	ST14:SC-Papers-Place-based and community-based education - 03/16/2020 08:30am to 10:00am
Ping-Han Cheng	ST10:SC-Papers-Integration of STEM disciplines - 03/18/2020 01:00pm to 02:30pm
Polly K Lai	ST1:SC-Papers-Student Learning - 03/17/2020 09:45am to 11:15am
Pongprapan Pongsophon	ST5:SC-Papers-Affordances for students' literacy and engagement in postsecondary biology - 03/16/2020 08:30am to 10:00am
Prabhjot Kaur	ST8:SC-Papers-Meeting the Content Needs of STEM Educators - 03/16/2020 10:15am to 11:45am
Preetha K. Menon	ST11:SC-Papers-Renegotiating Multiculturalism & Multilingualism in Science Education - 03/15/2020 04:20pm to 05:50pm
Preethi Titu	ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am,ST9:SC-Papers-Teachers' Beliefs and Identity in Their Reflective Practices - 03/18/2020 01:00pm to 02:30pm
Preeti Gupta	ST6:SC-Papers-Informal science in afterschool programs - 03/16/2020 01:15pm to 02:45pm,ST6:S-Professional Development Opportunities for Informal STEM Learning Professionals - 03/18/2020 01:00pm to 02:30pm
Priya Pugh	ST14:RP-Fostering Young Learners' Socioecological Systems Reasoning and Decision-Making through Family and Community Supported Field-Based Science - 03/17/2020 01:45pm to 03:15pm
Priyanka Parekh	ST11:SC-Papers-Using Critical Frameworks to Disrupt Deficit Perspectives of Latinx Teachers, Students, and Communities - 03/17/2020 09:45am to 11:15am
Qing Gao	ST9:SC-Papers-Teacher Efficacy, Ownership, and Practice - 03/18/2020 08:30am to 10:00am
Qinyun Lin	ST4:RP-Teaching for Science Literacy at Scale - 03/16/2020 01:15pm to 02:45pm
Qiu Zhong	ST3:SC-Papers-Teacher instructional practices for equity in the NGSS - 03/18/2020 01:00pm to 02:30pm
Quentin C. Sedlacek	ST11:SC-Papers-Using Critical Frameworks to Disrupt Deficit Perspectives of Latinx Teachers, Students, and Communities - 03/17/2020 09:45am to 11:15am
Quinn Camara	ST8:SC-Papers-Meeting the Content Needs of STEM Educators - 03/16/2020 10:15am to 11:45am
R. Charles Dershimer	ST5:RP-The Impact of Chemistry Education Research on Theory Development, Classroom Improvements, and Pre-Service Teacher Training - 03/17/2020 08:00am to 09:30am
Rachael L. Tawbush	ST8:SC-Papers-Teacher Learning in the Physical Sciences - 03/18/2020 10:30am to 12:00pm
Rachael M. Gordon	ST7:SC-Papers-Building Knowledge through Asset-based Pedagogy - 03/15/2020 02:40pm to 04:10pm
Rachel Levin Peled	ST2:SC-Papers-Teacher Perspectives, Contexts, Networks, & Roles - 03/17/2020 09:45am to 11:15am
Rachel Mamlok-Naaman	ST10:SC-Papers-Assessing scientific concepts across disciplines - 03/17/2020 03:30pm to 05:00pm
Radu Bogdan Toma	ST10:SC-Papers-Attitudes, Beliefs, Motivation, and Identity in Science Learning - 03/17/2020 01:45pm to 03:15pm,ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
Rahmi Q. Aini	ST13:SC-Papers-NOS and Teachers' Perceptions - 03/16/2020 01:15pm to 02:45pm
Ran Piorko	ST2:SC-Papers-The Chemistry Learning Environment - 03/15/2020 02:40pm to 04:10pm
Randy K. Yerrick	ST5:SC-Papers-Fostering students' communication and argumentation - 03/16/2020 10:15am to 11:45am
Randy L. Bell	ST8:SC-Papers-Professional Development to Support Induction of New Science Teachers - 03/18/2020 10:30am to 12:00pm
Randy McGinnis	ST7:SC-Papers-Preservice Teaching Practices - 03/16/2020 10:15am to 11:45am
Rasha Elsayed	ST10:SC-Papers-Analysis and Evaluation of Science Curricula - 03/17/2020 08:00am to 09:30am

Rasheda Likely	ST11:RP-Creating Space for the Inclusion of Social Justice within Engineering Learning Environments - 03/15/2020 02:40pm to 04:10pm,ST2:RP-Constructing and Receiving Peer Feedback on Engineering Designs: Student Engagement and Pedagogical Supports - 03/18/2020 01:00pm to 02:30pm
Raul Orduna Picon	ST16:AS-Sandra Sandra K. Abell Institute for Doctoral Students - 03/17/2020 08:00am to 09:30am
Ravit Golan Duncan	ST1:RP-Recent Trends in Genetics Education Research - 03/15/2020 04:20pm to 05:50pm
Rayya Younes	ST2:SC-Papers-Language & Learning Science - 03/15/2020 02:40pm to 04:10pm
Rea Lavi	ST12:SC-Papers-Breakthroughs in Online Learning - 03/17/2020 03:30pm to 05:00pm,ST5:SC-Papers-Developing students' contemporary practices - 03/17/2020 09:45am to 11:15am,ST10:SC-Papers-Dynamic Relationships between Practices and Knowledge in Science Assessment - 03/18/2020 10:30am to 12:00pm
Reanna S. Roby	ST11:SC-Papers-Exploring the Experiences and STEM Identity Development of Black Students and Teachers - 03/15/2020 02:40pm to 04:10pm,ST11:RP-Establishment and Maintenance of Black STEM Community Institutions - 03/15/2020 04:20pm to 05:50pm,ST6:SC-Papers-Science learning in museums and zoos - 03/17/2020 03:30pm to 05:00pm
ReAnna S. Roby	ST11:SC-Papers-Reconceptualizing the Pathways and Experiences of Women of Color in STEM - 03/16/2020 01:15pm to 02:45pm
Rebeca A Grysko	ST7:SC-Papers-English Learners and Literacy Integration - 03/16/2020 01:15pm to 02:45pm
Rebecca D. Swanson	ST8:SC-Papers-Engineering Practices to Support NGSS - 03/15/2020 04:20pm to 05:50pm,ST6:S-Professional Development Opportunities for Informal STEM Learning Professionals - 03/18/2020 01:00pm to 02:30pm
Rebecca Eddy	ST8:RP-Scaling an Effective Analysis-of-Practice PD Program in Two High-Needs Districts: Impacts, Successes, and Challenges - 03/17/2020 03:30pm to 05:00pm
Rebecca Johnson	ST6:SC-Papers-Science learning in museums and zoos - 03/17/2020 03:30pm to 05:00pm
Rebecca Kopriva	ST10:SC-Papers-Novel Approaches to Science Assessment - 03/15/2020 04:20pm to 05:50pm
Rebecca Kotler	ST11:-Grappling with Coming Closer to Equity and Justice in Science Education: Students and Teachers Pondering Identities, Engaging in Multimodal Representations, and Pursuing Critical Hope - 03/16/2020 10:15am to 11:45am
Rebecca L. Matz	ST5:SC-Papers-Engaging students' interdisciplinary connections - 03/18/2020 10:30am to 12:00pm
Rebecca McNall Krall	ST7:SC-Papers-Practice-based Science Teaching - 03/17/2020 03:30pm to 05:00pm
Rebecca Smith	ST10:SC-Papers-Attitudes, Beliefs, Motivation, and Identity in Science Learning - 03/17/2020 01:45pm to 03:15pm
Rebekah Hammack	ST7:SC-Papers-Preservice Teachers Perceptions of Engineering - 03/18/2020 10:30am to 12:00pm
Reem Saleh	ST7:SC-Papers-Preservice Teacher Journaling and Reflection - 03/18/2020 08:30am to 10:00am
Regina Barber DeGraaff	ST5:SC-Papers-Student metacognition and systems thinking - 03/16/2020 01:15pm to 02:45pm
Regina C. Sievert	ST7:SC-Papers-Science Education and Cultural Access - 03/16/2020 01:15pm to 02:45pm
Regina P. McCurdy	ST7:SC-Papers-English Learners and Literacy Integration - 03/16/2020 01:15pm to 02:45pm
Regina Soobard	ST1:SC-Papers-New approaches to Learning - 03/17/2020 08:00am to 09:30am,ST2:SC-Papers-Students & STEM Careers - 03/18/2020 01:00pm to 02:30pm
Regis Komperda	ST5:RP-The Impact of Chemistry Education Research on Theory Development, Classroom Improvements, and Pre-Service Teacher Training - 03/17/2020 08:00am to 09:30am
Remy Dou	ST6:SC-Papers-Family engagement in informal science experiences - 03/16/2020 08:30am to 10:00am
Renata P. Orofino	ST5:SC-Papers-Engaging students' interdisciplinary connections - 03/18/2020 10:30am to 12:00pm
Renee Affolter	ST8:SC-Papers-Professional Development to Support Curriculum Design - 03/15/2020 04:20pm to 05:50pm
Renee-Michelle Goertzen	ST11:SC-Papers-Considerations for Girls & Women in Science and Engineering - 03/17/2020 03:30pm to 05:00pm
Renee Rice-Moran	ST1:AS-Developing Science Literacy and the Potential for Conceptual Change - 03/16/2020 08:30am to 10:00am,ST4:SC-Papers-STEM integration across disciplines - 03/15/2020 02:40pm to 04:10pm
Renee S. Schwartz	ST11:SC-Papers-Reconceptualizing the Pathways and Experiences of Women of Color in STEM - 03/16/2020 01:15pm to 02:45pm,ST13:SC-Papers-SSI and NOS - 03/17/2020 09:45am to 11:15am,ST16:AS-Promoting an International Focus on Research and Science Teacher Education to Improve Science and Special Education - 03/17/2020 03:30pm to 05:00pm
Rex N. Taibu	ST2:SC-Papers-Perceptual & Conceptual Change - 03/18/2020 10:30am to 12:00pm
Rican Vue	ST15:SC-Papers-Examining Models of Change in STEM Education - 03/16/2020 01:15pm to 02:45pm
Rich Carter	ST5:SC-Papers-Developing students' contemporary practices - 03/17/2020 09:45am to 11:15am
Richard A. Duschl	ST10:S-What is the science curriculum of today and the future? - 03/18/2020 01:00pm to 02:30pm
Richard Crawford	ST2:SC-Papers-Agency - 03/17/2020 01:45pm to 03:15pm
Richard Gearns	ST8:SC-Papers-Student Achievement - 03/17/2020 03:30pm to 05:00pm

Richard H Crawford	ST1:SC-Papers-Engineering Framework - 03/16/2020 10:15am to 11:45am,ST11:SC-Papers-Considerations for Girls & Women in Science and Engineering - 03/17/2020 03:30pm to 05:00pm,ST4:SC-Papers-Intersecting Earth science and Engineering concept in the classroom - 03/18/2020 08:30am to 10:00am
Richard J. Aleong	ST7:RP-Using Principles of Engineering Design to Advance Elementary Science Teacher Preparation - 03/18/2020 10:30am to 12:00pm
Richard Lamb	ST1:AS-Developing Science Literacy and the Potential for Conceptual Change - 03/16/2020 08:30am to 10:00am,ST10:SC-Papers-Integration of STEM disciplines - 03/18/2020 01:00pm to 02:30pm,ST12:SC-Papers-New Methods of Measurement and Analysis to Move the Field Forward - 03/18/2020 08:30am to 10:00am
Richard Lie	ST7:RP-Using Principles of Engineering Design to Advance Elementary Science Teacher Preparation - 03/18/2020 10:30am to 12:00pm
Richard T. Bex	ST2:SC-Papers-Characteristics of the Learning Environment - 03/18/2020 08:30am to 10:00am
Rikke Magnussen	ST16:AS-Citizen Science - an International and Integrative Look at a Scientific and Educational Method - 03/16/2020 10:15am to 11:45am
Rishi-Shruti Krishnamoorthy	ST4:SC-Papers-Inquiry-based instruction and explorative science practices - 03/18/2020 10:30am to 12:00pm
Rob DeSalle	ST5:SC-Papers-Student understandings and perceptions of evolution - 03/17/2020 08:00am to 09:30am
Robb Lindgren	ST12:SC-Papers-Digital Tools: Research and Demonstration Showcase - 03/18/2020 10:30am to 12:00pm
Robert Idsardi	ST5:SC-Papers-Postsecondary educators' perceptions, planning, and practices - 03/15/2020 04:20pm to 05:50pm,ST5:SC-Papers-Empowering emerging postsecondary educators - 03/18/2020 08:30am to 10:00am
Robert Krakehl	ST11:SC-Papers-Promoting Inclusion in Culturally and Linguistically Diverse Science Classrooms - 03/16/2020 10:15am to 11:45am,ST8:SC-Papers-Student Achievement - 03/17/2020 03:30pm to 05:00pm
Robert M. Talbot	ST5:SC-Papers-Tools and frameworks to measure students' success and struggles - 03/17/2020 01:45pm to 03:15pm
Robert T. Oertli	ST13:SC-Papers-Teaching of NOS - 03/17/2020 08:00am to 09:30am
Roberto Bertolini	ST5:SC-Papers-Tools and frameworks to measure students' success and struggles - 03/17/2020 01:45pm to 03:15pm
Robin Adams	ST7:RP-Using Principles of Engineering Design to Advance Elementary Science Teacher Preparation - 03/18/2020 10:30am to 12:00pm
Roger G. Tobin	ST1:SC-Papers-Student Understandings about Energy and Light - 03/17/2020 01:45pm to 03:15pm
Roger Hill	ST8:SC-Papers-Professional Development using Computational Thinking and Robotics - 03/17/2020 08:00am to 09:30am
Ron Blonder	ST8:SC-Papers-Context in Professional Development - 03/16/2020 08:30am to 10:00am
Ron Gray	ST7:SC-Papers-Building Knowledge through Asset-based Pedagogy - 03/15/2020 02:40pm to 04:10pm
Ron Skinner	ST6:SC-Papers-Educating informal science educators - 03/15/2020 04:20pm to 05:50pm,ST6:SC-Papers-Science learning in museums and zoos - 03/17/2020 03:30pm to 05:00pm,ST6:S-Professional Development Opportunities for Informal STEM Learning Professionals - 03/18/2020 01:00pm to 02:30pm
Rona M. Robinson-Hill	ST16:AS-The African Diaspora Context: School, Community, and Citizenship in Science Education - 03/17/2020 01:45pm to 03:15pm
Ronit Fridman	ST3:SC-Papers-Early Childhood Scientific Thinking - 03/18/2020 08:30am to 10:00am
Ross Anderson	ST11:SC-Papers-Exploring the Experiences and STEM Identity Development of Black Students and Teachers - 03/15/2020 02:40pm to 04:10pm
Ross H. Nehm	ST10:SC-Papers-Novel Approaches to Science Assessment - 03/15/2020 04:20pm to 05:50pm,ST5:SC-Papers-Investigating faculty change - 03/16/2020 08:30am to 10:00am,ST16:AS-How to Get Your Research Published in Science Education Journals PAC Symposium - 03/17/2020 08:00am to 09:30am,ST5:SC-Papers-Tools and frameworks to measure students' success and struggles - 03/17/2020 01:45pm to 03:15pm
Rouhollah Aghasaleh	ST14:RP-Traditional Ecological Knowledge (TEK): Water Stories, Sustainability, Models, and Evidence - 03/18/2020 10:30am to 12:00pm
Roxanne M. Hughes	ST6:RP-Examining Under-represented Young Women's STEM Identities - 03/17/2020 09:45am to 11:15am
Ruth Kermish-Allen	ST14:SC-Papers-Place-based and community-based education - 03/16/2020 08:30am to 10:00am
Ryan Burke	ST10:SC-Papers-Analysis and Evaluation of Science Curricula - 03/17/2020 08:00am to 09:30am
Ryan Coker	ST5:SC-Papers-Frameworks of TA learning and development as educators - 03/15/2020 02:40pm to 04:10pm,ST7:SC-Papers-Preservice Teachers' Identities and Beliefs - 03/15/2020 04:20pm to 05:50pm,ST2:SC-Papers-Modeling and Model-Based Teaching - 03/16/2020 08:30am to 10:00am,ST8:SC-Papers-Professional Development to Support Induction of New Science Teachers - 03/18/2020 10:30am to 12:00pm
Ryan D.P. Dunk	ST5:SC-Papers-Student understandings and perceptions of evolution - 03/17/2020 08:00am to 09:30am,ST16:AS-Sandra Sandra K. Abell Institute for Doctoral Students - 03/17/2020 08:00am to 09:30am
Ryan Nixon	ST3:SC-Papers-Integration in the Elementary Curriculum - 03/18/2020 10:30am to 12:00pm

Ryan Summers	ST13:SC-Papers-Nature of Engineering - 03/16/2020 10:15am to 11:45am,ST15:SC-Papers-Examining Models of Change in STEM Education - 03/16/2020 01:15pm to 02:45pm
Ryan Urbanowicz	ST8:SC-Papers-Teacher Learning in the Biological/Environmental Sciences - 03/18/2020 01:00pm to 02:30pm
sa piao zhang	ST8:SC-Papers-Meeting the Content Needs of STEM Educators - 03/16/2020 10:15am to 11:45am
Sabrina Grossman	ST10:SC-Papers-Teachers' Understanding and Use of Science Curriculum and Assessment - 03/15/2020 02:40pm to 04:10pm
Saeed M. Alshamrani	ST2:SC-Papers-Characteristics of the Learning Environment - 03/18/2020 08:30am to 10:00am
Sagal Mohammed	ST5:SC-Papers-Postsecondary educators' perceptions, planning, and practices - 03/15/2020 04:20pm to 05:50pm
Sage Andersen	ST8:SC-Papers-Teacher Identity - 03/16/2020 01:15pm to 02:45pm,ST1:SC-Papers-Student Learning - 03/17/2020 09:45am to 11:15am,ST3:SC-Papers-Integration in the Elementary Curriculum - 03/18/2020 10:30am to 12:00pm
Sahar Alameh	ST13:SC-Papers-Nature of Scientific Practices - 03/16/2020 08:30am to 10:00am
Saiqa Azam	ST7:SC-Papers-Preservice Teachers' Identities and Beliefs - 03/15/2020 04:20pm to 05:50pm
Sally Crissman	ST1:SC-Papers-Student Understandings about Energy and Light - 03/17/2020 01:45pm to 03:15pm
Sally PW Wu	ST8:SC-Papers-Professional Development using Computational Thinking and Robotics - 03/17/2020 08:00am to 09:30am
Samantha Ringl	ST7:SC-Papers-Practice-based Science Teaching - 03/17/2020 03:30pm to 05:00pm
Sami Kahn	ST16:AS-Addressing Issues of Equity and Justice across Places and Context in Science - 03/15/2020 02:40pm to 04:10pm,ST10:S-What is the science curriculum of today and the future? - 03/18/2020 01:00pm to 02:30pm
Samuel G. Karanja	ST8:SC-Papers-Teacher Learning in the Physical Sciences - 03/18/2020 10:30am to 12:00pm
Samuel J Polizzi	ST8:SC-Papers-Teacher Identity - 03/16/2020 01:15pm to 02:45pm
Samuel Safran	ST2:S-Epistemic aspects of engagement in novel contexts of learning physics - 03/17/2020 08:00am to 09:30am
Samuel Severance	ST10:RP-Productively Engaging 'Community' in Project-Based Learning: Approaches to Supporting Meaningful Science Learning in Formal Classrooms - 03/16/2020 01:15pm to 02:45pm,ST7:SC-Papers-Building Preservice Teacher Capacity through Stakeholders - 03/16/2020 10:15am to 11:45am
Sandy Heinericy	ST11:RP-Spaces of Agency: Centering teacher agency and expanding contexts for equitable science teaching and learning - 03/16/2020 10:15am to 11:45am
Sania Z. Zaidi	ST10:SC-Papers-Novel Approaches to Science Assessment - 03/15/2020 04:20pm to 05:50pm
Sanjay Rebello	ST7:RP-Using Principles of Engineering Design to Advance Elementary Science Teacher Preparation - 03/18/2020 10:30am to 12:00pm
Sanlyn Buxner	ST5:SC-Papers-Tools and frameworks to measure students' success and struggles - 03/17/2020 01:45pm to 03:15pm,ST7:SC-Papers-Practice-based Science Teaching - 03/17/2020 03:30pm to 05:00pm
Santiago Gasca	ST12:SC-Papers-Teaching with Technology - 03/18/2020 01:00pm to 02:30pm
Saouma B. Boujaoude	ST11:SC-Papers-Renegotiating Multiculturalism & Multilingualism in Science Education - 03/15/2020 04:20pm to 05:50pm,ST16:AS-International Perspectives on Science Education in Multicultural and Multilingual Contexts - 03/17/2020 01:45pm to 03:15pm
Sapir Salamander	ST6:SC-Papers-Science interest and identity formation in informal spaces - 03/17/2020 08:00am to 09:30am
Sara B. Sweetman	ST3:RP-The Effects of Children's Media on Preschoolers Language, Understanding, and Perceptions of Science and Engineering - 03/17/2020 03:30pm to 05:00pm
Sara E Futch	ST5:SC-Papers-Contemporary instructional approaches in postsecondary STEM - 03/17/2020 01:45pm to 03:15pm
Sara E. Wilmes	ST11:S-Critical Views of Science Education Research in Linguistically and Culturally Diverse Contexts - 03/16/2020 08:30am to 10:00am
Sara Greller	ST6:RP-Storybooks and STEM: Using Books as a Tool to Support Early Childhood Family STEM Learning - 03/17/2020 03:30pm to 05:00pm
Sara Hagenah	ST7:S-Context-Dependent Approaches to Partnering with Mentor Teachers: Supporting Novice Teachers Ambitious Science Teaching - 03/16/2020 08:30am to 10:00am,ST8:SC-Papers-Professional Learning Communities - 03/17/2020 01:45pm to 03:15pm
Sara J. Dozier	ST10:RP-Automated Assessment of Argumentation in School Science: Developments and Challenges - 03/15/2020 02:40pm to 04:10pm
Sara J. Lacy	ST1:SC-Papers-Student Understandings about Energy and Light - 03/17/2020 01:45pm to 03:15pm
Sara L. Salisbury	ST8:SC-Papers-Teacher Identity - 03/16/2020 01:15pm to 02:45pm

Sara Salloum	ST11:SC-Papers-Renegotiating Multiculturalism & Multilingualism in Science Education - 03/15/2020 04:20pm to 05:50pm,ST2:SC-Papers-Language & Learning Science - 03/15/2020 02:40pm to 04:10pm,ST11:S-Critical Views of Science Education Research in Linguistically and Culturally Diverse Contexts - 03/16/2020 08:30am to 10:00am
Sara Wilmes	ST11:RP-Spaces of Agency: Centering teacher agency and expanding contexts for equitable science teaching and learning - 03/16/2020 10:15am to 11:45am
Sarah B. Boesdorfer	ST8:SC-Papers-Assessment to Support NGSS Implementation - 03/15/2020 02:40pm to 04:10pm
Sarah Fankhauser	ST6:SC-Papers-Science interest and identity formation in informal spaces - 03/17/2020 08:00am to 09:30am
Sarah Haavind	ST12:RP-Technology-Enhanced Framing of Data to Facilitate Classroom Enactment of Science Practices - 03/17/2020 01:45pm to 03:15pm
Sarah J. Fick	ST3:SC-Papers-Supporting elementary & early childhood STEM learning - 03/15/2020 04:20pm to 05:50pm,ST3:RP-Analyses of Elementary Preservice and Inservice Teachers' Use of Crosscutting Concepts in Plans and Enactments - 03/16/2020 08:30am to 10:00am,ST3:SC-Papers-Teacher instructional practices for equity in the NGSS - 03/18/2020 01:00pm to 02:30pm
Sarah Lilly	ST3:SC-Papers-Supporting elementary & early childhood STEM learning - 03/15/2020 04:20pm to 05:50pm
Sarah Lupo	ST3:SC-Papers-Integration in the Elementary Curriculum - 03/18/2020 10:30am to 12:00pm
Sarah Stapleton	ST14:SC-Papers-Place-based and community-based education - 03/16/2020 08:30am to 10:00am,ST14:RP-Fostering Young Learners' Socioecological Systems Reasoning and Decision-Making through Family and Community Supported Field-Based Science - 03/17/2020 01:45pm to 03:15pm
Sarah V. Poor	ST13:SC-Papers-Teaching of NOS - 03/17/2020 08:00am to 09:30am
Sascha Bernholt	ST5:SC-Papers-Using representations to learn science - 03/18/2020 08:30am to 10:00am
Sasha Pratt-Taweh	ST6:SC-Papers-Science learning in museums and zoos - 03/17/2020 03:30pm to 05:00pm
SAVANNAH GRAHAM	ST1:SC-Papers-Student Learning - 03/17/2020 09:45am to 11:15am
Scott A. Pattison	ST6:AS-Igniting Informal Science - 03/15/2020 02:40pm to 04:10pm,ST6:SC-Papers-Family engagement in informal science experiences - 03/16/2020 08:30am to 10:00am,ST2:S-Early Childhood Engineering: Supporting Engineering Design Practices with Young Children and Their Families - 03/17/2020 08:00am to 09:30am,ST6:RP-Storybooks and STEM: Using Books as a Tool to Support Early Childhood Family STEM Learning - 03/17/2020 03:30pm to 05:00pm
Scott Byrd	ST14:SC-Papers-Place-based and community-based education - 03/16/2020 08:30am to 10:00am,ST6:SC-Papers-Science interest and identity formation in informal spaces - 03/17/2020 08:00am to 09:30am
Scott Cohen	ST16:AS-Promoting an International Focus on Research and Science Teacher Education to Improve Science and Special Education - 03/17/2020 03:30pm to 05:00pm,ST6:SC-Papers-Science interest and identity formation in informal spaces - 03/17/2020 08:00am to 09:30am
Scott M. Applebaum	ST13:SC-Papers-SSI and NOS - 03/17/2020 09:45am to 11:15am
Scott McDonald	ST7:SC-Papers-Building Knowledge through Asset-based Pedagogy - 03/15/2020 02:40pm to 04:10pm,ST15:SC-Papers-Understanding and Supporting STEM Education Improvement Efforts Within Schools and Districts - 03/16/2020 10:15am to 11:45am,ST7:S-Context-Dependent Approaches to Partnering with Mentor Teachers: Supporting Novice Teachers Ambitious Science Teaching - 03/16/2020 08:30am to 10:00am,ST12:RP-Technology-Enhanced Framing of Data to Facilitate Classroom Enactment of Science Practices - 03/17/2020 01:45pm to 03:15pm,ST4:SC-Papers-Intersecting Earth science and Engineering concept in the classroom - 03/18/2020 08:30am to 10:00am
Scott Molitor	ST3:SC-Papers-Early Childhood Scientific Thinking - 03/18/2020 08:30am to 10:00am
Sean O'Connor	ST14:RP-Traditional Ecological Knowledge (TEK): Water Stories, Sustainability, Models, and Evidence - 03/18/2020 10:30am to 12:00pm
Sebastian Fernandez-Napp	ST14:SC-Papers-Environmental and social responsibility - 03/18/2020 08:30am to 10:00am
Sebastian T. Opitz	ST1:SC-Papers-Student Understandings about Energy and Light - 03/17/2020 01:45pm to 03:15pm
Sehoya Cotner	ST5:SC-Papers-Frameworks of TA learning and development as educators - 03/15/2020 02:40pm to 04:10pm,ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
Sein Shin	ST13:SC-Papers-NOS and Teachers' Perceptions - 03/16/2020 01:15pm to 02:45pm
Selcen Guzey	ST4:SC-Papers-STEM integration across disciplines - 03/15/2020 02:40pm to 04:10pm,ST15:SC-Papers-Examining Models of Change in STEM Education - 03/16/2020 01:15pm to 02:45pm,ST7:RP-Using Principles of Engineering Design to Advance Elementary Science Teacher Preparation - 03/18/2020 10:30am to 12:00pm
Selene Y. Willis	ST13:SC-Papers-SSI and NOS - 03/17/2020 09:45am to 11:15am
Selina L. Bartels	ST13:SC-Papers-Learning of NOS - 03/15/2020 04:20pm to 05:50pm
Semiha Gun-Yildiz	ST11:S-Critical Views of Science Education Research in Linguistically and Culturally Diverse Contexts - 03/16/2020 08:30am to 10:00am,ST6:RP-Examining Under-represented Young Women's STEM Identities - 03/17/2020 09:45am to 11:15am
Senay Purzer	ST1:SC-Papers-Engineering Framework - 03/16/2020 10:15am to 11:45am

Senetta F Bancroft	ST8:SC-Papers-Assessment to Support NGSS Implementation - 03/15/2020 02:40pm to 04:10pm
Seohee Park	ST2:SC-Papers-Perceptual & Conceptual Change - 03/18/2020 10:30am to 12:00pm
Seong-Joo Kang	ST2:SC-Papers-Interest, Identity, & Empathy - 03/15/2020 04:20pm to 05:50pm
Seunggho Maeng	ST2:SC-Papers-Argumentation & Sense-Making - 03/17/2020 03:30pm to 05:00pm
Shaghayegh Fateh	ST8:SC-Papers-Teacher Learning in the Physical Sciences - 03/18/2020 10:30am to 12:00pm
Shakhnoza Kayumova	ST11:RP-Spaces of Agency: Centering teacher agency and expanding contexts for equitable science teaching and learning - 03/16/2020 10:15am to 11:45am,ST6:RP-Examining Under-represented Young Women's STEM Identities - 03/17/2020 09:45am to 11:15am,ST8:S-Equity and Elementary Science Teaching & Learning - 03/17/2020 01:45pm to 03:15pm
Shane Coleman	ST11:SC-Papers-Promoting Inclusion in Culturally and Linguistically Diverse Science Classrooms - 03/16/2020 10:15am to 11:45am
Shane Tutwiler	ST12:RP-Beyond the novelty effect – examining learning affordances of XR educational technologies - 03/17/2020 08:00am to 09:30am,ST12:SC-Papers-New Methods of Measurement and Analysis to Move the Field Forward - 03/18/2020 08:30am to 10:00am
Shani Zur	ST2:SC-Papers-Teacher Perspectives, Contexts, Networks, & Roles - 03/17/2020 09:45am to 11:15am
Shania Pintor	ST2:SC-Papers-Language & Learning Science - 03/15/2020 02:40pm to 04:10pm
Shannon G. Davidson	ST7:SC-Papers-Building Knowledge through Asset-based Pedagogy - 03/15/2020 02:40pm to 04:10pm,ST8:SC-Papers-Research Experiences for Teachers - 03/18/2020 01:00pm to 02:30pm
Shannon Gilmartin	ST11:RP-Creating Space for the Inclusion of Social Justice within Engineering Learning Environments - 03/15/2020 02:40pm to 04:10pm
Shannon H. Sung	ST12:SC-Papers-Digital Tools: Research and Demonstration Showcase - 03/18/2020 10:30am to 12:00pm
Shannon L. Navy	ST8:SC-Papers-Professional Development to Support Induction of New Science Teachers - 03/18/2020 10:30am to 12:00pm
Shannon M Daniel	ST6:SC-Papers-Informal science in afterschool programs - 03/16/2020 01:15pm to 02:45pm
Shannon Navy	ST7:SC-Papers-Preservice teachers' self-efficacy in engineering - 03/15/2020 02:40pm to 04:10pm
Shari J. Metcalf	ST12:RP-Beyond the novelty effect – examining learning affordances of XR educational technologies - 03/17/2020 08:00am to 09:30am
Shari Watkins	ST16:AS-Addressing Issues of Equity and Justice across Places and Context in Science - 03/15/2020 02:40pm to 04:10pm
Sharon J. Lynch	ST15:SC-Papers-Examining Models of Change in STEM Education - 03/16/2020 01:15pm to 02:45pm
Sharon Nelson-Barber	ST14:RP-Traditional Ecological Knowledge (TEK): Water Stories, Sustainability, Models, and Evidence - 03/18/2020 10:30am to 12:00pm
Sharon Siehl	ST14:RP-Fostering Young Learners' Socioecological Systems Reasoning and Decision-Making through Family and Community Supported Field-Based Science - 03/17/2020 01:45pm to 03:15pm
Sharona T. Levy	ST12:SC-Papers-Technology Tools to Support Scientific Thinking - 03/15/2020 02:40pm to 04:10pm
Shelley Dunlop	ST6:SC-Papers-Learning science in informal science clubs and camps - 03/17/2020 09:45am to 11:15am
Sherri Sheppard	ST11:RP-Creating Space for the Inclusion of Social Justice within Engineering Learning Environments - 03/15/2020 02:40pm to 04:10pm
Sherry A. Southerland	ST5:SC-Papers-Frameworks of TA learning and development as educators - 03/15/2020 02:40pm to 04:10pm,ST7:SC-Papers-Accessing Funds of Knowledge to Enhance Instruction - 03/15/2020 04:20pm to 05:50pm,ST2:SC-Papers-Moves in Teaching & Discourse - 03/16/2020 01:15pm to 02:45pm,ST16:AS-How to Get Your Research Published in Science Education Journals PAC Symposium - 03/17/2020 08:00am to 09:30am,ST2:SC-Papers-Argumentation & Sense-Making - 03/17/2020 03:30pm to 05:00pm,ST8:SC-Papers-Research Experiences for Teachers - 03/18/2020 01:00pm to 02:30pm
Sherry H. Hsi	ST12:RP-Technology-Enhanced Framing of Data to Facilitate Classroom Enactment of Science Practices - 03/17/2020 01:45pm to 03:15pm
Shiang-Yao Liu	ST13:SC-Papers-Teaching of NOS - 03/17/2020 08:00am to 09:30am
Shih-Yeh Chen	ST13:SC-Papers-Teaching of NOS - 03/17/2020 08:00am to 09:30am
Shin Hyo Jeong	ST10:SC-Papers-Dynamic Relationships between Practices and Knowledge in Science Assessment - 03/18/2020 10:30am to 12:00pm
Shirley Miedijensky	ST7:SC-Papers-Informal Science Education and Socioscientific Issues - 03/17/2020 08:00am to 09:30am
Shirly Avargil	ST2:SC-Papers-The Chemistry Learning Environment - 03/15/2020 02:40pm to 04:10pm
Shondricka Burrell	ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
Shruti Bathia	ST10:SC-Papers-Attitudes, Beliefs, Motivation, and Identity in Science Learning - 03/17/2020 01:45pm to 03:15pm
Shu-Kang Chen	ST10:SC-Papers-Novel Approaches to Science Assessment - 03/15/2020 04:20pm to 05:50pm
Shulamit Kapon	ST2:S-Epistemic aspects of engagement in novel contexts of learning physics - 03/17/2020 08:00am to 09:30am

Sibel Erduran	ST7:SC-Papers-Accessing Funds of Knowledge to Enhance Instruction - 03/15/2020 04:20pm to 05:50pm,ST13:SC-Papers-Nature of Scientific Practices - 03/16/2020 08:30am to 10:00am,ST13:SC-Papers-NOS and Teachers' Perceptions - 03/16/2020 01:15pm to 02:45pm,ST8:SC-Papers-Meeting the Content Needs of STEM Educators - 03/16/2020 10:15am to 11:45am,ST16:AS-How to Get Your Research Published in Science Education Journals PAC Symposium - 03/17/2020 08:00am to 09:30am,ST4:SC-Papers-Science across contexts - 03/17/2020 01:45pm to 03:15pm,ST8:SC-Papers-Argumentation in STEM Education - 03/17/2020 09:45am to 11:15am
Sidney Thompson	ST8:SC-Papers-Professional Development using Computational Thinking and Robotics - 03/17/2020 08:00am to 09:30am
Sihan Xiao	ST13:SC-Papers-SSI and NOS - 03/17/2020 09:45am to 11:15am,ST2:SC-Papers-Argumentation & Sense-Making - 03/17/2020 03:30pm to 05:00pm,ST2:SC-Papers-Complexity, Cognition, & the Human Experience - 03/18/2020 10:30am to 12:00pm
Silvia Alcaraz-Dominguez	ST8:RP-Teachers' beliefs, perceptions and knowledge of Socioscientific Issues for global citizenship - 03/18/2020 08:30am to 10:00am
Silvia Niño	ST3:SC-Papers-Teacher knowledge, beliefs, & use of science practices with students - 03/15/2020 02:40pm to 04:10pm
Simon Langlois	ST5:SC-Papers-Fostering students' communication and argumentation - 03/16/2020 10:15am to 11:45am
Sina J. Fakoyede	ST16:AS-Graduate Student Research Symposium - 03/17/2020 03:30pm to 05:00pm
Sinead Brien	ST6:S-Professional Development Opportunities for Informal STEM Learning Professionals - 03/18/2020 01:00pm to 02:30pm
Siqi Li	ST8:SC-Papers-Student Achievement - 03/17/2020 03:30pm to 05:00pm
Sissy S. Wong	ST8:SC-Papers-Professional Development to Support Induction of New Science Teachers - 03/18/2020 10:30am to 12:00pm
Smadar Levy	ST8:SC-Papers-Professional Learning Communities - 03/17/2020 01:45pm to 03:15pm
Smirla Ramos-Montañez	ST6:AS-Igniting Informal Science - 03/15/2020 02:40pm to 04:10pm,ST2:S-Early Childhood Engineering: Supporting Engineering Design Practices with Young Children and Their Families - 03/17/2020 08:00am to 09:30am
Smitha Pillai	ST5:SC-Papers-Contemporary instructional approaches in postsecondary STEM - 03/17/2020 01:45pm to 03:15pm
Song Wang	ST5:SC-Papers-Faculty positioning and partnerships to support teaching - 03/18/2020 01:00pm to 02:30pm
Sonia M Underwood	ST5:SC-Papers-Engaging students' interdisciplinary connections - 03/18/2020 10:30am to 12:00pm
Sonya N. Martin	ST16:AS-How to Get Your Research Published in Science Education Journals PAC Symposium - 03/17/2020 08:00am to 09:30am,ST16:AS-International Perspectives on Science Education in Multicultural and Multilingual Contexts - 03/17/2020 01:45pm to 03:15pm,ST16:AS-Promoting an International Focus on Research and Science Teacher Education to Improve Science and Special Education - 03/17/2020 03:30pm to 05:00pm
Soo-Yean Shim	ST8:SC-Papers-Supporting Authentic Science Practices - 03/18/2020 08:30am to 10:00am
SoonChun Lee	ST8:SC-Papers-Professional Development to Support Curriculum Design - 03/15/2020 04:20pm to 05:50pm
Soonhye Park	ST6:SC-Papers-Educating informal science educators - 03/15/2020 04:20pm to 05:50pm,ST7:SC-Papers-Making Instructional Decisions: Assessment and edTPA - 03/17/2020 09:45am to 11:15am,ST8:SC-Papers-Professional Development using Computational Thinking and Robotics - 03/17/2020 08:00am to 09:30am
Sophia Sun Kyung Jeong	ST11:SC-Papers-Exploring the Experiences and STEM Identity Development of Black Students and Teachers - 03/15/2020 02:40pm to 04:10pm,ST5:SC-Papers-Investigating faculty change - 03/16/2020 08:30am to 10:00am,ST5:SC-Papers-Faculty positioning and partnerships to support teaching - 03/18/2020 01:00pm to 02:30pm
Sophie Perron	ST14:SC-Papers-Place-based and community-based education - 03/16/2020 08:30am to 10:00am
Stacey Brydges	ST5:SC-Papers-Faculty positioning and partnerships to support teaching - 03/18/2020 01:00pm to 02:30pm
Stacey L. Carpenter	ST7:SC-Papers-Accessing Funds of Knowledge to Enhance Instruction - 03/15/2020 04:20pm to 05:50pm,ST8:RP-Scaling an Effective Analysis-of-Practice PD Program in Two High-Needs Districts: Impacts, Successes, and Challenges - 03/17/2020 03:30pm to 05:00pm
Stacy Olitsky	ST11:RP-Exploring Science Identities through the lenses of Possible Selves - 03/16/2020 08:30am to 10:00am
Stanley M. Lo	ST16:AS-Methods RIG - 03/17/2020 01:45pm to 03:15pm,ST16:AS-Impacting Practice through Science Education Research: Communicating Within and Across Places, Contexts, and Communities - 03/17/2020 03:30pm to 05:00pm,ST5:SC-Papers-Faculty positioning and partnerships to support teaching - 03/18/2020 01:00pm to 02:30pm
Stefan Rumann	ST1:SC-Papers-Modeling - 03/16/2020 01:15pm to 02:45pm
Stefan Sorge	ST7:SC-Papers-Retaining Preservice Physics Teachers - 03/16/2020 08:30am to 10:00am,ST7:SC-Papers-Shifting the Teaching Paradigm - 03/17/2020 08:00am to 09:30am
Stefanie LuVenia Marshall	ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am

Stefanie Marshall	ST16:AS-Research Practice Partnerships: Collaborations toward equitable STEM education research, reform, and implementation - 03/16/2020 08:30am to 10:00am,ST4:RP-Teaching for Science Literacy at Scale - 03/16/2020 01:15pm to 02:45pm,ST16:AS-Impacting Practice through Science Education Research: Communicating Within and Across Places, Contexts, and Communities - 03/17/2020 03:30pm to 05:00pm,ST2:RP-Disrupting Science Education Across Contexts: K-12 Learning, Teaching & Local Communities - 03/17/2020 09:45am to 11:15am
Stephanie Baker	ST8:RP-Scaling an Effective Analysis-of-Practice PD Program in Two High-Needs Districts: Impacts, Successes, and Challenges - 03/17/2020 03:30pm to 05:00pm
Stephanie D Teeter	ST6:SC-Papers-Educating informal science educators - 03/15/2020 04:20pm to 05:50pm
Stephanie Eldridge	ST16:AS-Addressing Issues of Equity and Justice across Places and Context in Science - 03/15/2020 02:40pm to 04:10pm,ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
Stephanie Kay Ramos	ST15:SC-Papers-Examining Models of Change in STEM Education - 03/16/2020 01:15pm to 02:45pm
Stephanie L. Florence	ST2:SC-Papers-Students & STEM Careers - 03/18/2020 01:00pm to 02:30pm
Stephanie Rafanelli	ST6:SC-Papers-Science interest and identity formation in informal spaces - 03/17/2020 08:00am to 09:30am
Stephany Pinales	ST2:SC-Papers-Language & Learning Science - 03/15/2020 02:40pm to 04:10pm
Stephen B. Witzig	ST14:SC-Papers-Environmental Education - educator's perspective - 03/15/2020 02:40pm to 04:10pm,ST6:SC-Papers-Informal science in afterschool programs - 03/16/2020 01:15pm to 02:45pm
Stephen J. Finch	ST5:SC-Papers-Tools and frameworks to measure students' success and struggles - 03/17/2020 01:45pm to 03:15pm
Stephen L. Thompson	ST7:SC-Papers-Practice-based Science Teaching - 03/17/2020 03:30pm to 05:00pm
Stephen Modell	ST10:RP-Productively Engaging 'Community' in Project-Based Learning: Approaches to Supporting Meaningful Science Learning in Formal Classrooms - 03/16/2020 01:15pm to 02:45pm
Steve Roderick	ST2:RP-Characterizing computational thinking in the context of technology-enhanced multilevel system modeling - 03/16/2020 10:15am to 11:45am
Stina Krist	ST2:SC-Papers-Characteristics of the Learning Environment - 03/18/2020 08:30am to 10:00am
Su Gao	ST7:SC-Papers-English Learners and Literacy Integration - 03/16/2020 01:15pm to 02:45pm
Sue Staats	ST8:SC-Papers-Professional Development to Support Curriculum Design - 03/15/2020 04:20pm to 05:50pm
Süleyman Tursucu	ST1:SC-Papers-Supporting Understanding with Mathematics and Computational Thinking - 03/16/2020 08:30am to 10:00am
Sungmin Im	ST16:AS-Promoting an International Focus on Research and Science Teacher Education to Improve Science and Special Education - 03/17/2020 03:30pm to 05:00pm
Sungmin Moon	ST5:SC-Papers-Tools and frameworks to measure students' success and struggles - 03/17/2020 01:45pm to 03:15pm
Susan B. Kelly	ST2:SC-Papers-Characteristics of the Learning Environment - 03/18/2020 08:30am to 10:00am
Susan C. Eriksson	ST7:SC-Papers-Retaining Preservice Physics Teachers - 03/16/2020 08:30am to 10:00am
Susan De La Paz	ST4:SC-Papers-Science across contexts - 03/17/2020 01:45pm to 03:15pm
Susan Gomez Zwiep	ST8:SC-Papers-Teacher Learning in the Biological/Environmental Sciences - 03/18/2020 01:00pm to 02:30pm
Susan M. Kowalski	ST10:RP-Design, Development, and Testing of a Media-Rich Three-dimensional Middle School Science Unit - 03/18/2020 08:30am to 10:00am
Susan McCullough	ST11:RP-Spaces of Agency: Centering teacher agency and expanding contexts for equitable science teaching and learning - 03/16/2020 10:15am to 11:45am
Susan Trostle Brand	ST3:RP-The Effects of Children's Media on Preschoolers Language, Understanding, and Perceptions of Science and Engineering - 03/17/2020 03:30pm to 05:00pm
Susan Yoon	ST12:SC-Papers-Breakthroughs in Online Learning - 03/17/2020 03:30pm to 05:00pm,ST8:SC-Papers-Teacher Learning in the Biological/Environmental Sciences - 03/18/2020 01:00pm to 02:30pm
Susann Pinter	ST7:SC-Papers-Accessing Funds of Knowledge to Enhance Instruction - 03/15/2020 04:20pm to 05:50pm
Susanna Hapgood	ST3:SC-Papers-Early Childhood Scientific Thinking - 03/18/2020 08:30am to 10:00am
Svetlana Ovsyannikov	ST1:SC-Papers-Student Understandings about Energy and Light - 03/17/2020 01:45pm to 03:15pm
Sylvia M. James	ST11:SC-Papers-Persistence & Retention Strategies for Underrepresented Populations in STEM - 03/16/2020 08:30am to 10:00am
Takeshia Pierre	ST11:SC-Papers- Partnerships and STEM Learning Experiences Across (In)formal Contexts - 03/17/2020 08:00am to 09:30am
Takumi Sato	ST11:SC-Papers-Exploring the Experiences and STEM Identity Development of Black Students and Teachers - 03/15/2020 02:40pm to 04:10pm,ST2:SC-Papers-Complexity, Cognition, & the Human Experience - 03/18/2020 10:30am to 12:00pm
Tal Yachin	ST6:SC-Papers-Science learning through non-traditional ISL experiences - 03/18/2020 08:30am to 10:00am
Talbot Bielefeldt	ST8:SC-Papers-Approaches to PD to Support Science Teaching - 03/18/2020 10:30am to 12:00pm

Tali Tal	ST14:SC-Papers-Environmental Education - educator's perspective - 03/15/2020 02:40pm to 04:10pm,ST10:RP-Productively Engaging 'Community' in Project-Based Learning: Approaches to Supporting Meaningful Science Learning in Formal Classrooms - 03/16/2020 01:15pm to 02:45pm,ST16:AS-Citizen Science - an International and Integrative Look at a Scientific and Educational Method - 03/16/2020 10:15am to 11:45am,ST2:SC-Papers-Teacher Perspectives, Contexts, Networks, & Roles - 03/17/2020 09:45am to 11:15am
Tamara J. Moore	ST1:SC-Papers-Supporting Understanding with Mathematics and Computational Thinking - 03/16/2020 08:30am to 10:00am,ST10:SC-Papers-Integration of STEM disciplines - 03/18/2020 01:00pm to 02:30pm
Tamara J. Smolek	ST10:SC-Papers-Dynamic Relationships between Practices and Knowledge in Science Assessment - 03/18/2020 10:30am to 12:00pm
Tania Jarosewich	ST8:SC-Papers-Engineering Practices to Support NGSS - 03/15/2020 04:20pm to 05:50pm
Tania Leach	ST6:SC-Papers-Learning science in informal science clubs and camps - 03/17/2020 09:45am to 11:15am
Tapashi Binte Mahmud Chowdhury	ST13:SC-Papers-SSI and NOS - 03/17/2020 09:45am to 11:15am
Tara Cox	ST6:RP-Storybooks and STEM: Using Books as a Tool to Support Early Childhood Family STEM Learning - 03/17/2020 03:30pm to 05:00pm
Tara M. Nkrumah	ST13:SC-Papers-SSI and NOS - 03/17/2020 09:45am to 11:15am,ST4:SC-Papers-Dialogic instruction and sense-making of science concepts - 03/17/2020 08:00am to 09:30am,ST11:SC-Papers-Counterspaces and Critical Considerations in University Settings - 03/18/2020 10:30am to 12:00pm,ST11:SC-Papers-Embracing Indigenous Knowledge of the African Diaspora and Tribal Communities - 03/18/2020 01:00pm to 02:30pm
Tara Nkrumah	ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
Tarah Connolly	ST6:SC-Papers-Educating informal science educators - 03/15/2020 04:20pm to 05:50pm
Tatiane Russo-Tait	ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
Ted Britton	ST2:SC-Papers-Agency - 03/17/2020 01:45pm to 03:15pm,ST4:SC-Papers-NGSS - Practices and Implementation - 03/17/2020 03:30pm to 05:00pm
Teresa Shume	ST11:SC-Papers-Promoting Inclusion in Culturally and Linguistically Diverse Science Classrooms - 03/16/2020 10:15am to 11:45am
Terrance Burgess	ST11:RP-Exploring Science Identities through the lenses of Possible Selves - 03/16/2020 08:30am to 10:00am,ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
Terrell R. Morton	ST11:RP-Establishment and Maintenance of Black STEM Community Institutions - 03/15/2020 04:20pm to 05:50pm,ST11:SC-Papers-Persistence & Retention Strategies for Underrepresented Populations in STEM - 03/16/2020 08:30am to 10:00am,ST11:SC-Papers-Reconceptualizing the Pathways and Experiences of Women of Color in STEM - 03/16/2020 01:15pm to 02:45pm,ST16:AS-The African Diaspora Context: School, Community, and Citizenship in Science Education - 03/17/2020 01:45pm to 03:15pm
Tevie Mehlman	ST2:SC-Papers-Motivation & Self-Efficacy - 03/16/2020 10:15am to 11:45am
Thanh K Le	ST5:SC-Papers-Student metacognition and systems thinking - 03/16/2020 01:15pm to 02:45pm,ST5:SC-Papers-Using representations to learn science - 03/18/2020 08:30am to 10:00am
Theila Smith	ST11:-Storyed-Identities as a Lens to Studying Science Identity - 03/16/2020 01:15pm to 02:45pm,ST11:RP-Spaces of Agency: Centering teacher agency and expanding contexts for equitable science teaching and learning - 03/16/2020 10:15am to 11:45am
Theodore Hodapp	ST11:SC-Papers-Considerations for Girls & Women in Science and Engineering - 03/17/2020 03:30pm to 05:00pm
Thilo Schramm	ST5:SC-Papers-Student understandings and perceptions of evolution - 03/17/2020 08:00am to 09:30am
Thomas (TJ) McKenna	ST2:SC-Papers-Teacher Perspectives, Contexts, Networks, & Roles - 03/17/2020 09:45am to 11:15am
Thomas Hemmick	ST5:SC-Papers-Contemporary instructional approaches in postsecondary STEM - 03/17/2020 01:45pm to 03:15pm
Ti'Era D. Worsley	ST11:RP-Learning from Minoritized Youths' Experiences and Promoting Equitable Science Teaching through Research-Practice Partnership - 03/16/2020 01:15pm to 02:45pm,ST14:SC-Papers-Environmental and social responsibility - 03/18/2020 08:30am to 10:00am
Tia Madkins	ST16:AS-Jhumki Basu Poster Symposium - 03/17/2020 09:45am to 11:15am
Tiffany Barnes	ST10:SC-Papers-Analysis and Evaluation of Science Curricula - 03/17/2020 08:00am to 09:30am
Tiffany Childress Price	ST11:-Grappling with Coming Closer to Equity and Justice in Science Education: Students and Teachers Pondering Identities, Engaging in Multimodal Representations, and Pursuing Critical Hope - 03/16/2020 10:15am to 11:45am
Till Bruckermann	ST6:SC-Papers-Science interest and identity formation in informal spaces - 03/17/2020 08:00am to 09:30am
Timothy Foutz	ST8:SC-Papers-Professional Development using Computational Thinking and Robotics - 03/17/2020 08:00am to 09:30am
Timothy G. Klavon	ST16:AS-Sandra Sandra K. Abell Institute for Doctoral Students - 03/17/2020 08:00am to 09:30am
Timothy Klavon	ST16:AS-Graduate Student Research Symposium - 03/17/2020 03:30pm to 05:00pm,ST1:SC-Papers-Understanding of Climate and Natural Systems - 03/18/2020 08:30am to 10:00am

Tina Cheuk	ST10:RP-Automated Assessment of Argumentation in School Science: Developments and Challenges - 03/15/2020 02:40pm to 04:10pm
Tina Grotzer	ST12:RP-Beyond the novelty effect – examining learning affordances of XR educational technologies - 03/17/2020 08:00am to 09:30am
Tina Vo	ST3:RP-Analyses of Elementary Preservice and Inservice Teachers' Use of Crosscutting Concepts in Plans and Enactments - 03/16/2020 08:30am to 10:00am,ST7:SC-Papers-Preservice Teachers Perceptions of Engineering - 03/18/2020 10:30am to 12:00pm
Tingting Li	ST10:SC-Papers-Assessing scientific concepts across disciplines - 03/17/2020 03:30pm to 05:00pm
Tobias Irish	ST11:SC-Papers-Renegotiating Multiculturalism & Multilingualism in Science Education - 03/15/2020 04:20pm to 05:50pm
Toby Citrin	ST10:RP-Productively Engaging 'Community' in Project-Based Learning: Approaches to Supporting Meaningful Science Learning in Formal Classrooms - 03/16/2020 01:15pm to 02:45pm
Todd Bevis	ST8:SC-Papers-Context in Professional Development - 03/16/2020 08:30am to 10:00am
Todd Campbell	ST6:AS-Igniting Informal Science - 03/15/2020 02:40pm to 04:10pm,ST7:S-Context-Dependent Approaches to Partnering with Mentor Teachers: Supporting Novice Teachers Ambitious Science Teaching - 03/16/2020 08:30am to 10:00am,ST16:AS-How to Get Your Research Published in Science Education Journals PAC Symposium - 03/17/2020 08:00am to 09:30am,ST2:SC-Papers-Teacher Perspectives, Contexts, Networks, & Roles - 03/17/2020 09:45am to 11:15am
Todd Haskell	ST10:SC-Papers-Assessing scientific concepts across disciplines - 03/17/2020 03:30pm to 05:00pm
Todd L. Hutner	ST1:SC-Papers-Engineering Framework - 03/16/2020 10:15am to 11:45am,ST11:SC-Papers-Considerations for Girls & Women in Science and Engineering - 03/17/2020 03:30pm to 05:00pm,ST2:SC-Papers-Agency - 03/17/2020 01:45pm to 03:15pm,ST8:SC-Papers-Professional Development using Computational Thinking and Robotics - 03/17/2020 08:00am to 09:30am,ST4:SC-Papers-Intersecting Earth science and Engineering concept in the classroom - 03/18/2020 08:30am to 10:00am
Tom Bielik	ST2:RP-Characterizing computational thinking in the context of technology-enhanced multilevel system modeling - 03/16/2020 10:15am to 11:45am
Tom Farmer	ST12:RP-Technology-Enhanced Framing of Data to Facilitate Classroom Enactment of Science Practices - 03/17/2020 01:45pm to 03:15pm
Toni A. Sondergeld	ST4:SC-Papers-STEM integration across disciplines - 03/15/2020 02:40pm to 04:10pm,ST6:SC-Papers-Science learning through non-traditional ISL experiences - 03/18/2020 08:30am to 10:00am
Tormi Kotkas	ST2:SC-Papers-Students & STEM Careers - 03/18/2020 01:00pm to 02:30pm
Troy D. Sadler	ST10:RP-Socio-scientific Issue and Model Based Learning (SIMBL): Advances in Research to Inform Practice and Theory - 03/16/2020 10:15am to 11:45am
Troy Sadler	ST16:AS-Publishing, Reviewing and Writing for the Journal of Research in Science Teaching: Lessons Learned and New Visions - 03/16/2020 01:15pm to 02:45pm,ST16:AS-How to Get Your Research Published in Science Education Journals PAC Symposium - 03/17/2020 08:00am to 09:30am,ST10:S-What is the science curriculum of today and the future? - 03/18/2020 01:00pm to 02:30pm,ST8:RP-Teachers' beliefs, perceptions and knowledge of Socioscientific Issues for global citizenship - 03/18/2020 08:30am to 10:00am
Tugba Yuksel	ST7:SC-Papers-Building Preservice Teacher Capacity through Stakeholders - 03/16/2020 10:15am to 11:45am
Tunde Owolabi	ST11:SC-Papers-Embracing Indigenous Knowledge of the African Diaspora and Tribal Communities - 03/18/2020 01:00pm to 02:30pm
Uchechi Agnes Ahanonye	ST16:AS-Sandra Sandra K. Abell Institute for Doctoral Students - 03/17/2020 08:00am to 09:30am
Uri Shani	ST12:SC-Papers-Breakthroughs in Online Learning - 03/17/2020 03:30pm to 05:00pm
Uri Wilensky	ST8:SC-Papers-Professional Development using Computational Thinking and Robotics - 03/17/2020 08:00am to 09:30am
Ute Harms	ST1:RP-Learning and Teaching Evolution in High School: Challenges and Possible Remedies - 03/15/2020 02:40pm to 04:10pm,ST2:SC-Papers-Socioscientific Reasoning, Decision-Making, & Discourse - 03/15/2020 04:20pm to 05:50pm,ST14:RP-Modelling, Assessment, and Promotion of Climate Literacy - 03/17/2020 03:30pm to 05:00pm,ST6:SC-Papers-Science interest and identity formation in informal spaces - 03/17/2020 08:00am to 09:30am
Vaille Dawson	ST10:RP-Socio-scientific Issue and Model Based Learning (SIMBL): Advances in Research to Inform Practice and Theory - 03/16/2020 10:15am to 11:45am
Vaille M. Dawson	ST10:RP-Socio-scientific Issue and Model Based Learning (SIMBL): Advances in Research to Inform Practice and Theory - 03/16/2020 10:15am to 11:45am
Valarie L. Akerson	ST16:AS-NSTA-Translating your Research into Forms that are Useful to K-12 Science Educators - 03/18/2020 08:30am to 10:00am,ST9:SC-Papers-Teachers' Beliefs and Identity in Their Reflective Practices - 03/18/2020 01:00pm to 02:30pm
Vance J. Kite	ST8:SC-Papers-Professional Development using Computational Thinking and Robotics - 03/17/2020 08:00am to 09:30am

Vanessa L. Peters	ST15:SC-Papers-Examining Models of Change in STEM Education - 03/16/2020 01:15pm to 02:45pm
Vanessa S Webb	ST11:SC-Papers-Reconceptualizing the Pathways and Experiences of Women of Color in STEM - 03/16/2020 01:15pm to 02:45pm
Vani Sreekanta	ST14:SC-Papers-Place-based and community-based education - 03/16/2020 08:30am to 10:00am
Vassiliki (Vicky) Zygouris-Coe	ST7:SC-Papers-English Learners and Literacy Integration - 03/16/2020 01:15pm to 02:45pm
Vaughan S. James	ST6:SC-Papers-Science learning through non-traditional ISL experiences - 03/18/2020 08:30am to 10:00am
Veena Vasudevan	ST6:SC-Papers-Museum participant experiences - 03/16/2020 10:15am to 11:45am
Vero G Frady	ST11:SC-Papers-Using Critical Frameworks to Disrupt Deficit Perspectives of Latinx Teachers, Students, and Communities - 03/17/2020 09:45am to 11:15am
Veronica Cateté	ST10:SC-Papers-Analysis and Evaluation of Science Curricula - 03/17/2020 08:00am to 09:30am
Veronica McGowan	ST2:SC-Papers-Interest, Identity, & Empathy - 03/15/2020 04:20pm to 05:50pm
Veronika Bille	ST1:SC-Papers-Modeling - 03/16/2020 01:15pm to 02:45pm
Vesal Dini	ST8:SC-Papers-Approaches to PD to Support Science Teaching - 03/18/2020 10:30am to 12:00pm
Vicente A. Talanquer	ST5:SC-Papers-Investigating faculty change - 03/16/2020 08:30am to 10:00am,ST5:SC-Papers-Empowering emerging postsecondary educators - 03/18/2020 08:30am to 10:00am
Victor Corona	ST6:SC-Papers-Educating informal science educators - 03/15/2020 04:20pm to 05:50pm
Victor D. Sampson	ST1:SC-Papers-Engineering Framework - 03/16/2020 10:15am to 11:45am,ST11:SC-Papers-Considerations for Girls & Women in Science and Engineering - 03/17/2020 03:30pm to 05:00pm,ST2:SC-Papers-Agency - 03/17/2020 01:45pm to 03:15pm,ST4:SC-Papers-Intersecting Earth science and Engineering concept in the classroom - 03/18/2020 08:30am to 10:00am
Victor Káspér	ST7:SC-Papers-Building Knowledge through Asset-based Pedagogy - 03/15/2020 02:40pm to 04:10pm
Victor Sampson	ST16:AS-NSTA-Translating your Research into Forms that are Useful to K-12 Science Educators - 03/18/2020 08:30am to 10:00am
Victoria Hollmann	ST1:SC-Papers-Understandings about Genetics, Evolution, and Natural Selection - 03/18/2020 10:30am to 12:00pm
Victoria Millar	ST10:S-What is the science curriculum of today and the future? - 03/18/2020 01:00pm to 02:30pm
Victoria Rodriguez-Operana	ST11:SC-Papers-Persistence & Retention Strategies for Underrepresented Populations in STEM - 03/16/2020 08:30am to 10:00am
Violette Blé	ST1:SC-Papers-Student Understandings about Energy and Light - 03/17/2020 01:45pm to 03:15pm
Visalakshi Vaithianathan	ST14:SC-Papers-Citizen engagement: Between attitudes and behavior - 03/18/2020 01:00pm to 02:30pm
Walter Aminger	ST7:SC-Papers-English Learners and Literacy Integration - 03/16/2020 01:15pm to 02:45pm
Weeraphat Suksiri	ST10:RP-Automated Assessment of Argumentation in School Science: Developments and Challenges - 03/15/2020 02:40pm to 04:10pm
Wei-Ting Li	ST14:RP-Traditional Ecological Knowledge (TEK): Water Stories, Sustainability, Models, and Evidence - 03/18/2020 10:30am to 12:00pm
William A. Sandoval	ST1:SC-Papers-Understanding of Climate and Natural Systems - 03/18/2020 08:30am to 10:00am,ST8:SC-Papers-Teacher Learning in the Biological/Environmental Sciences - 03/18/2020 01:00pm to 02:30pm
William B. Davis	ST5:SC-Papers-Fostering students' communication and argumentation - 03/16/2020 10:15am to 11:45am,ST2:SC-Papers-Argumentation & Sense-Making - 03/17/2020 03:30pm to 05:00pm
William E. Lindsay	ST15:SC-Papers-Understanding and Supporting STEM Education Improvement Efforts Within Schools and Districts - 03/16/2020 10:15am to 11:45am
William F. Mccomas	ST13:SC-Papers-NOS and Teachers' Perceptions - 03/16/2020 01:15pm to 02:45pm
William Hansen	ST10:SC-Papers-Investigation of Teacher Knowledge - 03/18/2020 08:30am to 10:00am
William R. Penuel	ST8:SC-Papers-Assessment to Support NGSS Implementation - 03/15/2020 02:40pm to 04:10pm,ST11:RP-Learning from Minoritized Youths' Experiences and Promoting Equitable Science Teaching through Research-Practice Partnership - 03/16/2020 01:15pm to 02:45pm
William Robinson	ST11:SC-Papers-Counterspaces and Critical Considerations in University Settings - 03/18/2020 10:30am to 12:00pm
Wisam Sedawi	ST8:SC-Papers-Professional Learning Communities - 03/17/2020 01:45pm to 03:15pm
Wm. Matthew Reynolds	ST7:SC-Papers-Making Instructional Decisions: Assessment and edTPA - 03/17/2020 09:45am to 11:15am
Won Jung Kim	ST13:SC-Papers-Learning of NOS - 03/15/2020 04:20pm to 05:50pm
Wondimu Ahmed	ST8:SC-Papers-Engineering Practices to Support NGSS - 03/15/2020 04:20pm to 05:50pm,ST2:SC-Papers-Motivation & Self-Efficacy - 03/16/2020 10:15am to 11:45am
Wonhyeong Jang	ST10:SC-Papers-Analysis and Evaluation of Science Curricula - 03/17/2020 08:00am to 09:30am

Wonyong Park	ST13:SC-Papers-NOS and Teachers' Perceptions - 03/16/2020 01:15pm to 02:45pm,ST16:AS-Sandra Sandra K. Abell Institute for Doctoral Students - 03/17/2020 08:00am to 09:30am,ST4:SC-Papers-Science across contexts - 03/17/2020 01:45pm to 03:15pm,ST8:SC-Papers-Argumentation in STEM Education - 03/17/2020 09:45am to 11:15am
Xiao Huang	ST8:SC-Papers-Meeting the Content Needs of STEM Educators - 03/16/2020 10:15am to 11:45am
Xiaoming Zhai	ST10:SC-Papers-Novel Approaches to Science Assessment - 03/15/2020 04:20pm to 05:50pm,ST10:S-Automated Scoring of Complex Performances - 03/17/2020 03:30pm to 05:00pm,ST12:SC-Papers-Teaching with Technology - 03/18/2020 01:00pm to 02:30pm
Xiaoxin Lyu	ST7:SC-Papers-English Learners and Literacy Integration - 03/16/2020 01:15pm to 02:45pm,ST2:SC-Papers-Teacher Perspectives, Contexts, Networks, & Roles - 03/17/2020 09:45am to 11:15am,ST10:SC-Papers-Dynamic Relationships between Practices and Knowledge in Science Assessment - 03/18/2020 10:30am to 12:00pm
Xiaoyu Shi	ST10:SC-Papers-Integration of STEM disciplines - 03/18/2020 01:00pm to 02:30pm
Xiufeng Liu	ST8:SC-Papers-Student Achievement - 03/17/2020 03:30pm to 05:00pm
Xudong Huang	ST12:SC-Papers-Digital Tools: Research and Demonstration Showcase - 03/18/2020 10:30am to 12:00pm
Ya-Chun Chen	ST5:SC-Papers-Student metacognition and systems thinking - 03/16/2020 01:15pm to 02:45pm
Yael Shwartz	ST7:SC-Papers-Informal Science Education and Socioscientific Issues - 03/17/2020 08:00am to 09:30am,ST8:RP-Teachers' beliefs, perceptions and knowledge of Socioscientific Issues for global citizenship - 03/18/2020 08:30am to 10:00am
Yael Wyner	ST5:SC-Papers-Student understandings and perceptions of evolution - 03/17/2020 08:00am to 09:30am
Yang Zahng	ST11:RP-Spaces of Agency: Centering teacher agency and expanding contexts for equitable science teaching and learning - 03/16/2020 10:15am to 11:45am
Yann S Ong	ST10:SC-Papers-Analyzing Real-world Data - 03/17/2020 09:45am to 11:15am
Yanyan Sheng	ST8:SC-Papers-Assessment to Support NGSS Implementation - 03/15/2020 02:40pm to 04:10pm
Yaron Schur	ST1:SC-Papers-Student Understandings about Energy and Light - 03/17/2020 01:45pm to 03:15pm
Yejun Bae	ST2:SC-Papers-Perceptual & Conceptual Change - 03/18/2020 10:30am to 12:00pm
Yewon Lee	ST4:SC-Papers-Science across contexts - 03/17/2020 01:45pm to 03:15pm
Yi-Ting Pan	ST6:SC-Papers-Museum participant experiences - 03/16/2020 10:15am to 11:45am, ST2:SC-Papers-Inquiry Science Learning - 03/18/2020 01:00pm to 02:30pm
Yicong Zhu	ST8:SC-Papers-Teacher Identity - 03/16/2020 01:15pm to 02:45pm
Ying-Ting Chiu	ST16:AS-Addressing Issues of Equity and Justice across Places and Context in Science - 03/15/2020 02:40pm to 04:10pm,ST2:SC-Papers-Interest, Identity, & Empathy - 03/15/2020 04:20pm to 05:50pm,ST5:SC-Papers-Fostering students' communication and argumentation - 03/16/2020 10:15am to 11:45am,ST6:SC-Papers- Informal science in afterschool programs - 03/16/2020 01:15pm to 02:45pm,ST16:AS-Promoting an International Focus on Research and Science Teacher Education to Improve Science and Special Education - 03/17/2020 03:30pm to 05:00pm,ST2:SC-Papers-Inquiry Science Learning - 03/18/2020 01:00pm to 02:30pm
Ying Ying Seah	ST7:SC-Papers-Making Instructional Decisions: Assessment and edTPA - 03/17/2020 09:45am to 11:15am
Yonatan Yeshayahu	ST2:SC-Papers-Motivation & Self-Efficacy - 03/16/2020 10:15am to 11:45am
Yonghee Lee	ST5:SC-Papers-Fostering students' communication and argumentation - 03/16/2020 10:15am to 11:45am
YoonJoo Shin	ST2:SC-Papers-Modeling and Model-Based Teaching - 03/16/2020 08:30am to 10:00am
Young Ae Kim	ST5:SC-Papers-Investigating faculty change - 03/16/2020 08:30am to 10:00am,ST5:SC-Papers-Empowering emerging postsecondary educators - 03/18/2020 08:30am to 10:00am
Yu-Jung Kim	ST6:SC-Papers-Family engagement in informal science experiences - 03/16/2020 08:30am to 10:00am,ST10:SC-Papers-Analysis and Evaluation of Science Curricula - 03/17/2020 08:00am to 09:30am,ST10:SC-Papers-Integration of STEM disciplines - 03/18/2020 01:00pm to 02:30pm
Yubee Isaac	ST11:SC-Papers-Renegotiating Multiculturalism & Multilingualism in Science Education - 03/15/2020 04:20pm to 05:50pm
Yuri B. Piedrahita Uruena	ST10:SC-Papers-Integration of STEM disciplines - 03/18/2020 01:00pm to 02:30pm
Za'Mani Roper	ST11:SC-Papers- Partnerships and STEM Learning Experiences Across (In)formal Contexts - 03/17/2020 08:00am to 09:30am
Zachary Stepp	ST8:SC-Papers-Professional Development to Support Induction of New Science Teachers - 03/18/2020 10:30am to 12:00pm
Zahid Kisa	ST4:SC-Papers-Dialogic instruction and sense-making of science concepts - 03/17/2020 08:00am to 09:30am
Zahra Hazari	ST11:SC-Papers-Considerations for Girls & Women in Science and Engineering - 03/17/2020 03:30pm to 05:00pm

Zanette Johnson	ST14:RP-Traditional Ecological Knowledge (TEK): Water Stories, Sustainability, Models, and Evidence - 03/18/2020 10:30am to 12:00pm
Zehorit Kapah	ST8:SC-Papers-Professional Learning Communities - 03/17/2020 01:45pm to 03:15pm
Zelnnetta Clark	ST14:SC-Papers-Citizen engagement: Between attitudes and behavior - 03/18/2020 01:00pm to 02:30pm
Zeynep Kızıltepe	ST8:SC-Papers-Supporting Authentic Science Practices - 03/18/2020 08:30am to 10:00am
Zoe E. Buck Bracey	ST10:RP-Automated Assessment of Argumentation in School Science: Developments and Challenges - 03/15/2020 02:40pm to 04:10pm
Zuway R Hong	ST3:SC-Papers-Supporting elementary & early childhood STEM learning - 03/15/2020 04:20pm to 05:50pm,ST5:SC-Papers-Student metacognition and systems thinking - 03/16/2020 01:15pm to 02:45pm,ST6:SC-Papers-Museum participant experiences - 03/16/2020 10:15am to 11:45am,ST2:SC-Papers-Inquiry Science Learning - 03/18/2020 01:00pm to 02:30pm