



# NARST

A global organization for improving science education through research

## 2020

MARCH 15-18

93<sup>RD</sup> ANNUAL INTERNATIONAL CONFERENCE

PORTLAND, OR, USA

Portland Marriott Downtown Waterfront

## SCHEDULE AT A GLANCE

### SATURDAY, MARCH 14

8:00 AM - 5:00 PM **NARST Executive Board Meeting #1** Meadow Lark/Douglas Fir 3rd Floor

2:00 PM - 5:00 PM **Conference Registration** Ballroom Foyer - Lower Level

### SUNDAY, MARCH 15

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/Douglas Fir 3rd Floor

9:45 AM - 11:45 AM **Sharing Best STEM Practices with Local Portland Area K-12 Teachers** Salmon

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 - 10:00 AM **Pre-Conference Workshop #1: Membership Committee** Salon C - Lower Level  
*Cost: Free | Maximum attendance: 50*

Title: **Early Career Faculty Forum**

Presenters: **Brooke Whitworth**, University of Mississippi  
**Alison Miller**, Bowdoin College  
**Shirly Avargil**, Technion - Israel Institute of Technology

8:00 AM - 11:45 AM **Pre-Conference Workshop #2: Research Committee** Salon A - Lower Level  
*Cost: Free | Maximum attendance: 30*

Title: **Next Generation Labs for Next Generation Science Standards: Mobile Sensing as an Example**

Presenters: **Charles Xie**  
**Shannon Sung**  
**Xudong Huang**  
**Guanhua Chen**



## SCHEDULE AT A GLANCE

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8:00 AM - 11:45 AM **Pre-Conference Workshop #3:  
Membership Committee** Salon B - Lower Level  
*Cost: Free | Maximum attendance: 60*

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Title: **Writing in Community: NARST Membership Committee Writing Retreat**

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Presenters: **Knut Neuman**, Leibniz Institute for Science Education  
**Felicia Mensah**, Columbia University  
**Shirly Avergil**, Technion - Israel Institute of Technology

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8:00 AM - 11:45 AM **Pre-Conference Workshop #4:  
Research Committee** Salon D - Lower Level  
*Cost: Free | Maximum attendance: 60*

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Title: **How to Access Learners' Connections Across Nature of Science Aspects:  
Using Card Sorts and Epistemic Network Analysis**

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Presenters: **Bridget K. Mulvey**  
**Jennifer C. Parrish**  
**Erin Peters-Burton**

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8:00 AM - 11:45 AM **Pre-Conference Workshop #5:  
Equity and Ethics Committee** Salon I - Lower Level  
*Cost: Free | Maximum attendance: 100*

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Title: **Equity and Ethics Pre-conference Workshop**

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Presenters: **Sara Raven**  
**Danielle Dani**  
**Seema Rivera**  
**Sheron Mark**  
**Saiqa Azam**  
**Jordan Henley**

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8:00 AM - 11:45 AM **Pre-Conference Workshop #6:  
Research Committee** Salon G - Lower Level  
*Cost: Free | Maximum attendance: 30*

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Title: **An Observation Protocol for Integrated STEM Instruction in K-12 Science  
and Engineering Classes**

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Presenters: **Emily A. Dare**, Assistant Professor of Science Education at Florida  
International University  
**Joshua A. Ellis**, Assistant Professor of Science Education at Florida  
International University  
**Elizabeth A. Ring-Whalen**, Assistant Professor of Education, Coordinator for the  
EcoSTARS and Elementary STEM Certificate programs, and Director of the National  
Center for STEM Elementary Education at St. Catherine University  
**Gillian H. Roehrig**, Professor of STEM Education at the University of Minnesota–  
Twin Cities

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8:00 AM - 11:45 AM **Pre-Conference Workshop #7:  
Research Committee** Salon H - Lower Level  
*Cost: Free | Maximum attendance: 50*

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Title: **Clarifying the Role(s) of the Crosscutting Concepts in Science  
and Engineering Learning**

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Presenters: **Sarah J. Fick**  
**Jeffrey Nordine**

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# SCHEDULE AT A GLANCE

10:00 AM - 11:00 AM	<b>Pre-Conference Workshop #8: National Science Foundation</b> <i>Cost: Free / Maximum attendance: 50</i>	Salon C - Lower Level
	Title: <b>Work at the National Science Foundation as a Rotater/IPA/Program Officer. Is it right for me?</b>	
	Presenters: <b>Rob Ochsendorf Sharon Lynch Monica Cardella Gavin Fulmer</b>	
11:45 AM - 1:00 PM	<b>Lunch</b>	On Your Own
1:00 PM - 2:15 PM	<b>Conference Welcome &amp; Plenary Session 1</b>	Salon E & F - Lower Level
	Title: <b>Migrating Birds Know No Boundaries: The Scientific and Educational Dimension</b>	
	Speaker: <b>Dr. Yossi Leshem, Tel Aviv University</b>	
2:15 PM - 2:40 PM	<b>Networking Break</b>	
2:40 PM - 4:10 PM	<b>CONCURRENT SESSION #1</b>	Concurrent Session Rooms
4:20 PM - 5:50 PM	<b>CONCURRENT SESSION #2</b>	Concurrent Session Rooms
6:00 PM - 7:00 PM	<b>Mentor/Mentee Nexus</b>	Mt. Hood
6:00 PM - 7:00 PM	<b>Research Interest Group (RIG) Meetings</b>	
	<b>Continental and Diasporic Africa in Science Education (CADASE) RIG</b>	Salon I - Lower Level
	<b>Contemporary Methods for Science Education Research RIG</b>	Salon H - Lower Level
7:00 PM - 9:30 PM	<b>Award Ceremony and Presidential Reception</b> <i>Light appetizers will be served. Cash bar.</i>	Salon E & F Lower Level/Ballroom Foyer
<b>MONDAY, MARCH 16</b>		
6:00 AM - 7:15 AM	<b>Mind and Sole</b> <i>This event is not sponsored or endorsed by NARST</i>	Off-site
8:00 AM - 4:30 PM	<b>Conference Registration</b>	Ballroom Foyer - Lower Level
8:30 AM - 10:00 AM	<b>CONCURRENT SESSION #3</b>	Concurrent Session Rooms
10:00 AM - 10:30 AM	<b>Networking Break</b>	
10:30 AM - 12:00 PM	<b>CONCURRENT SESSION #4</b>	Concurrent Session Rooms
12:00 PM - 1:45 PM	<b>Committee Meetings</b>	Concurrent Session Rooms
12:00 PM - 1:45 PM	<b>Lunch</b>	On Your Own

# SCHEDULE AT A GLANCE

1:45 PM - 3:15 PM	<b>CONCURRENT SESSION #5</b>	Concurrent Session Rooms
3:15 PM - 3:45 PM	<b>Networking Break</b>	
3:45 PM - 4:45 PM	<b>CONCURRENT SESSION #6A: Roundtable Session</b>	Exhibit Hall
4:45 PM - 5:45 PM	<b>CONCURRENT SESSION #6B: Poster Session</b>	Exhibit Hall
5:45 PM - 7:15 PM	<b>Graduate Student Forum</b>	Salon F - Lower Level
6:00 PM - 8:30 PM	<b>JRST Editorial Team Meeting/Dinner</b> <i>Sponsored by: Wiley-Blackwell (by invitation only)</i>	Portland - Lower Level
6:00 PM - 7:30 PM	<b>Research Interest Group (RIG) Meetings</b>	
	<b>Latino/a RIG</b>	Salon B - Lower Level
	<b>Engineering Education RIG</b>	Salon C - Lower Level
	<b>Indigenous Science Knowledge (ISK) RIG</b>	Salon H - Lower Level
<b>TUESDAY, MARCH 17</b>		
7:30 AM - 4:30 PM	<b>Registration</b>	Ballroom Foyer - Lower Level
8:00 AM - 9:30 AM	<b>CONCURRENT SESSION #7</b>	Concurrent Session Rooms
9:30 AM - 10:00 AM	<b>Networking Break</b>	
10:00 AM - 11:30 AM	<b>CONCURRENT SESSION #8</b>	Concurrent Session Rooms
11:30 AM - 12:30 PM	<b>NARST Annual Membership Meeting</b>	Salon I - Lower Level
11:30 AM - 12:30 PM	<b>Lunch</b>	On Your Own
12:30 PM - 1:45 PM	<b>Plenary Session 2</b>	Salon E & F - Lower Level
	Title: <b>Making Science Education Matter in a Damaged and Unjust World</b>	
	Speaker: <b>Philip Bell</b> , University of Washington	
2:00 PM - 3:30 PM	<b>CONCURRENT SESSION #9</b>	Concurrent Session Rooms
3:30 PM - 3:45 PM	<b>Networking Break</b>	

# SCHEDULE AT A GLANCE

3:45 PM - 5:15 PM	<b>CONCURRENT SESSION #10</b>	Concurrent Session Rooms
5:15 PM - 6:15 PM	<b>STRAND Meetings</b>	Concurrent Session Rooms
6:30 PM - 9:30 PM	<b>Equity &amp; Ethics Dinner</b> Boarding is at <b>6:30 PM</b> (Maximum attendance: 75) Dinner, including tax and gratuity, is <b>\$58</b> . Please note: You must register for this event with your Advance Conference Registration. Tickets purchased for this event are not refundable. <b>NOTE:</b> 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
<b>WEDNESDAY, MARCH 18</b>		
8:00 AM - 11:00 AM	<b>Registration</b>	Ballroom Foyer - Lower Level
8:30 AM - 10:00 AM	<b>CONCURRENT SESSION #11</b>	Concurrent Session Rooms
10:00 AM - 10:30 AM	<b>Networking Break</b>	
10:30 AM - 12:00 PM	<b>CONCURRENT SESSION #12</b>	Concurrent Session Room
12:00 PM - 1:00 PM	<b>Lunch</b>	On Your Own
1:00 PM - 2:30 PM	<b>CONCURRENT SESSION #13</b>	Concurrent Session Room
4:00 PM - 9:00 PM	<b>NARST Board Meeting #2</b>	Pearl - 2nd Floor

