

AGU-NESTA Geophysical Information for Teachers (GIFT) Workshop 2019
Hot Topics in Earth and Space Science!

Marriott Marquis – Golden Gate B, B2

Monday, December 9

7:30 – 8:00 *Coffee*

8:00 – 8:05 **Welcome from AGU** – Dr. Pranoti Asher, AGU Higher Education Manager

8:05 – 8:10 **Welcome from NESTA** – Dr. Carla McAuliffe, Executive Director, NESTA

8:10 – 8:15 **Logistics** – Dr. Carla McAuliffe, Executive Director, NESTA

8:15 – 9:45 **Exploring the Old and New Arctic** – Dr. Melinda Webster, Sea Ice Expert (University of Alaska, Fairbanks), Dr. Lynne Harden, Education and Outreach Associate, Curriculum Developer, CIRES (University of Colorado, Boulder), Dr. Anne Gold, Director of Education and Outreach, CIRES (University of Colorado, Boulder), Dr. John Cassano, Atmospheric and Ocean Sciences, (University of Colorado, Boulder), Jonathan Griffith, Education and Outreach Associate, Curriculum Developer, CIRES (University of Colorado, Boulder) and Katya Schloesser, Education and Outreach Associate, Curriculum Developer, CIRES (University of Colorado, Boulder),

9:45 – 10:00 *Break*

10:00 – 11:30 **Looking at Tree Height and Land Cover from the Ground and Space with the GLOBE Program, NASA Earth-Observing Missions, and Online Tools** – Peder Nelson, Land Cover Lead for the NASA GLOBE Observer (Oregon State University) and Brian Campbell, Senior NASA Earth Science Education and Communication Specialist, (NASA Wallops Flight Facility)

11:30 – 12:15 *Lunch*

12:15 – 1:15 **Share-a-Thon**

1:30 – 3:00 **My NASA Data Story Maps for Earth Science Education: Sea Ice and the Earth System** – Desiray Wilson, Associate Scientific Programmer, SSAI (NASA Langley)

3:00 – 3:15 Discussion, Closing for Day 1

6:00 – 8:00 **Optional–Exhibit Hall Opening**

Tuesday, December 10

7:30 – 8:00 *Coffee*

8:00 – 8:15 **Overview of Day 2 Plans** – Dr. Carla McAuliffe, Executive Director, NESTA

8:15 – 9:45 ***Abrupt Climate Change? How the heck do scientists know that climate can change in 10 years?*** – Louise Huffman, Director of Education and Outreach for US Ice Drilling Program (Dartmouth College), Dr. Erich Osterberg, Department of Earth Science (Dartmouth College) and Bill Grosser, Science Education Specialist

9:40 – 10:00 *Break*

10:00 – 11:30 ***Worldwide Weather: How Do Storms Move Around the World?*** – Dr. Lisa Gardiner, Lead Education Writer, Editor, Illustrator, UCAR Center for Science Education (University Center for Atmospheric Research), Becca Hatheway, Manager of Teaching and Learning, UCAR Center for Science Education (University Center for Atmospheric Research) and John Ristvey, Director, UCAR Center for Science Education (University Center for Atmospheric Research)

11:30 – 12:15 *Lunch*

12:15 – 1:15 **Share-a-Thon**

1:30 – 3:00 ***Carbon, Climate Change & the Critical Zone: Where Does Gasoline Go?*** – Dr. Don Haas, Critical Zone Observatories Outreach and Education Staff, Director of Teacher Programming, Paleontological Research Institute (Museum of the Earth, Cayuga Nature Center), Dr. Alexandra Moore, Senior Education Associate, Paleontological Research Institute (Museum of the Earth, Cayuga Nature Center), and Dr. Ashlee Dere, Associate Professor of Geology, Department of Geography/Geology (University of Nebraska at Omaha)

3:00 – 3:20 Discussion & Workshop Evaluation

3:30 – 5:30 ***Optional Field Trip – A Ramble through San Francisco's Geology*** – Dr. John Karachewski (California-EPA)