

## 2019 Media Roundtables

Fall Meeting media roundtables are meant to provide background information about an upcoming project or ongoing area of research rather than present breaking news. Roundtables are designed to feel like a comfortable chat around the table, encouraging reporters to ask questions at any time. All Fall Meeting media roundtables are 45 minutes long and take place in the **press room, Moscone South, room 305-306**.

### Schedule

	<b>Tuesday, 10 December</b>	<b>Wednesday, 11 December</b>	<b>Thursday, 12 December</b>
<b>9:00 a.m.</b>	Enhanced geothermal systems R&D: Harnessing an untapped source of renewable electricity		
<b>10:00 a.m.</b>	Two rovers on Mars again		Is desalination the answer to our water woes?
<b>Break</b>			
<b>2:00 p.m.</b>	Five new NASA science flight campaigns for 2020	What can Antarctica's past tell us about its future?	
<b>3:00 p.m.</b>		A look ahead with AGU journal editors (Round 1)	A look ahead with AGU journal editors (Round 2)

### Descriptions

#### **Enhanced geothermal systems R&D: Harnessing an untapped source of renewable electricity**

Tuesday, 10 December, 9:00 a.m. | Presentations [Centennial - SWIRL](#), [H14D-08](#), [MR21B-0074](#), [GC23E-03](#)

Geothermal energy currently makes up less than 1% of total U.S. energy generation. But according to [a recent report](#) by the U.S. Department of Energy, advancements in technology could lead to a 26-fold increase of electric generation from geothermal systems by 2050. Scientists engaged in enhanced geothermal systems research, funded by DOE, will discuss how to move these engineered geothermal systems safely, reliably and sustainably toward industrial scale.

#### **Participants:**

**Pat Dobson**, Lawrence Berkeley National Laboratory, Berkeley, California, United States;

**Susan Hamm**, Geothermal Technologies Office, U.S. Department of Energy, Washington D.C., United States;

**Tim Kneafsey**, Lawrence Berkeley National Laboratory, Berkeley, California, United States;

**Paul Schwering**, Sandia National Laboratories, Albuquerque, New Mexico, United States.

## Two rovers on Mars again

Tuesday, 10 December, 10:00 a.m. | Presentations [Centennial Central – SWIRL](#)

NASA's Curiosity rover will soon be joined by Mars 2020. Though they look virtually the same, they have different instruments and collect very different kinds of science. This moderated roundtable discussion will be an essential backgrounder on each mission's adventure and how the public will be brought along for the ride.

### Participants:

**Jim Bell**, Arizona State University, Tempe, Arizona, United States;

**Katie Stack Morgan**, NASA Jet Propulsion Laboratory, Pasadena, California, United States;

**Ashwin Vasavada**, NASA Jet Propulsion Laboratory, Pasadena, California, United States.

## Five new NASA science flight campaigns for 2020

Tuesday, 10 December, 2:00 p.m. | Presentations [A11R-2868](#), [A52B-03](#), [OS23B-1785](#)

Starting in January, NASA flies and dives into five corners of the United States to probe different corners of the Earth system. From intense snowstorms along the U.S. East Coast to swirling ocean eddies off the coast of San Francisco and eroding wetlands of the Mississippi River delta, researchers will embark on new field campaigns to tackle critical science questions. Lead scientists from each of these NASA Earth Venture missions will introduce reporters to the scientific challenges they are tackling and the field reporting opportunities available throughout 2020.

### Participants:

**Kenneth Bowman**, Texas A&M University, College Station, Texas, United States;

**Lynn McMurdie**, University of Washington, Seattle, Washington, United States;

**Ernesto Rodriguez**, NASA Jet Propulsion Laboratory, Pasadena, California, United States;

**Marc Simard**, NASA Jet Propulsion Laboratory, Pasadena, California, United States;

**Armin Sorooshian**, University of Arizona, Tucson, Arizona, United States.

## What can Antarctica's past tell us about its future?

Wednesday, 11 December, 2:00 p.m. | Presentations [PP52A-03](#), [PP52A-07](#), [PP52A-08](#), [PP53C-1449](#)

Over the past two years, the International Ocean Discovery Program (IODP) has undertaken four research cruises to Antarctic waters on their flagship, the JOIDES Resolution. They have recovered kilometers of sediment and rock core that provide the first long-term continuous records in previously underexplored areas of Antarctica. Ongoing scientific analysis of these unique records will tell scientists about Antarctica's past and the data will be used in models to predict the icy continent's future. One of the co-chief scientists from each of these Antarctic expeditions will give an overview of their work in Antarctica and explain what results will come from these unique records.

### Participants:

**Robert McKay**, Antarctic Research Centre, Victoria University, Wellington, New Zealand;

**Mike Weber**, University of Bonn, Bonn, Germany;

**Julia Wellner**, University of Houston, Houston, Texas, United States;

**Gisela Winckler**, Lamont-Doherty Earth Observatory, Columbia University, Palisades, New York, United States.

## A look ahead with AGU journal editors (Round 1)

Wednesday, 11 December, 3:00 p.m.

Editors from AGU journals will give reporters a look ahead at new research they expect in their journals and fields of study in the coming year. Topics may include exciting new projects just getting started in the editors' fields of study; expected results on current research by the editors or their colleagues; upcoming expeditions or missions; or questions researchers are hoping to address in the coming months.

### Participants:

**Rose Cory**, Editor, *Geophysical Research Letters*, University of Michigan, Ann Arbor, Michigan, United States;

**Gabriel Filippelli**, Editor-in-Chief, *GeoHealth*, Indiana University-Purdue University Indianapolis, Indianapolis, Indiana, United States;

**Laurent Montesi**, Editor-in-Chief, *Journal of Geophysical Research: Planets*, University of Maryland, College Park, Maryland, United States;

**Valerie Trouet**, Editor, *Geophysical Research Letters*, University of Arizona, Tucson, Arizona, United States;

**Ben van der Pluijm**, Editor-in-Chief, *Earth's Future*, University of Michigan, Ann Arbor, Michigan, United States.

## Is desalination the answer to our water woes?

Thursday, 12 December, 10:00 a.m. | Presentation [GC13C-02](#)

Desalination is a decades-old technology that is getting a fresh look with a \$100-million investment by the U.S. Department of Energy, the largest federal investment in water treatment research in 50 years. Speakers will discuss how desalination technologies can play a role in achieving a "circular water economy" and can answer questions on the DOE water hub, the role of science, and the role of industry, as well as California-specific water issues.

### Participants:

**Peter Fiske**, Lawrence Berkeley National Laboratory and the National Alliance for Water Innovation, Berkeley, California, United States;

**Meagan Mauter**, Stanford University, Palo Alto, California, United States.

## A look ahead with AGU journal editors (Round 2)

Wednesday, 11 December, 3:00 p.m.

Editors from AGU journals will give reporters a look ahead at new research they expect in their journals and fields of study in the coming year. Topics may include exciting new projects just getting started in the editors' fields of study; expected results on current research by the editors or their colleagues; upcoming expeditions or missions; or questions researchers are hoping to address in the coming months.

### Participants:

**Suzana Camargo**, Editor, *Geophysical Research Letters*, Lamont-Doherty Earth Observatory, Columbia University, Palisades, New York, United States;

**Kris Karnauskas**, Editor, *Journal of Geophysical Research: Oceans*, University of Colorado Boulder, Boulder, Colorado, United States;

**Olga Sergienko**, Editor, *Journal of Geophysical Research: Earth Surface*, Princeton University, Princeton, New Jersey, United States.