

Pop-Up Sessions: Located Convention Center Hall E, Career Center and Student Lounge

Monday, December 10, 4:00 – 6:00 PM

Big Ideas for Scientists in the 21st Century

Time	Name	Title
4:00	Introduction by H3S	
4:10	Emily Fairfax	Roll a Water Check! Using Games to Teach Hydrology
4:17	Sammie Buzzard	Keeping our software sustainable and code clever; tips and results from the polar sciences
4:24	Kate Lowry	Science Philanthropy in the 21st Century
4:31	Molly James	OOI [Ocean Observatories Initiative] and Citizen Science
4:38	Colin Raymond	Scientist as Liaison
4:45	Ankur Shah	Local Action on a Global Level
4:52	Riley Balikian	"A Fool Multiplies Words": Inspiring Climate Action in Christian Communities
4:59	Michael Frothingham	Science: A National Park Service
5:06	Kory Ly	Colorful Energy: An Alternate Resource
5:13	Robert Brown	Your last breath of oxygen – how much was from the oceans?
5:20	Charles Shobe	Oyster Clubs for modern scientists
5:27	Caroline Coward	21st century scientific publishing: policies, practices, and pitfalls
5:34	Discussion	

Tuesday, December 11, 4:00 – 6:00 PM

Frontiers in Water Research and Hydrology for Public Good

Time	Speaker	Title
4:15	Opening Remarks	
4:20	Madison Broddle	Cross-Disciplinary Approaches to Estimating Soil Moisture Utilizing NASA Satellite Imagery
4:27	Veronica Chan	Dirty Snow – The Missing Link
4:34	Michael Pierce	Next-Generation Vegetation Models for Securing the Future of Food, Water and Energy
4:41	Josh Sturtevant	Snow Drought: A Changing Snowpack in the Western U.S.
4:48	Susanne Benz	We Should Recycle Our Waste Heat!
4:55	Robert Brown	Water-Based Long-Distance Transport of Sewage – A Sustainable Solution?
5:02	Emma Sullivan	Human Waste, Human Consequence: How Septic Systems Influence Water Quality

5:09	Sidney Bush	Optimizing Water Resource Availability by Incentivizing Land-Use Change within the Panama Canal Watershed
5:16	Closing Remarks	

Wednesday, December 12, 4:00 – 6:00 PM

Meet with H3S Members! Come see us with your questions and learn about what we do.

Thursday, December 13, 4:00 – 6:00 PM

Bridging Science with Communities and Policy

Time	Speaker	Title
4:02	Harriet Brettle	International Policy Engagement – The Space Generation Advisory Council
4:10	Andrew Cassel	GIF Your Science: Content Creation for Outreach
4:18	Jordan Vaa	Benefits of Diverse Perspectives in Applied Earth Science Projects
4:26	Sam Poppe	Setting Up an Early-Career Researchers Network to Connect Volcanologists: The IAVCEI ECR-Net
4:34	Allison Goodwell	Sewing with the Flow: An Ode to a First-Year Faculty Experience
4:42	Ankur Shah	Health is Wealth
4:50	Victor Lenske	NASA DEVELOP: 20 Years of Bridging Science and Policy
4:58	Sarah Benish	Finding My Voice for Science
5:06	Vashan Wright	The After Seminar: A Community Building Effort Inside SMU's Earth Science Department