

Ignite Colloquium on Understanding the New Arctic - natural and built environments and social systems

December 5, 2019

Hallie Ford Center 115

3:30-5:00pm – Ignite session

5:00- 6:00pm – reception (wine/beer and food)

Part 1:

Jonathan Nash	Dynamics at the ice-ocean boundary - what really controls the rate of ice melt at marine-terminating glaciers?
Dana Reason	Hearing Data: The Sound and Music of Superbugs
Miguel A. Goni	Controls on the fate of carbon in Arctic coastal lowland soils
Matt Evans	Bio-cementation for soil
Burkan Isgor	Challenges for infrastructure materials in the Arctic
Onan Demirel	Human-in-the-loop Design
Laurie Juranek	Changing biogeochemistry of the Arctic late open water season
Jeff Nason	Water in the New Arctic
Jim Ruzicka	Ecosystem modeling in the Bering Sea and Gulf of Alaska

Part 2:

Andrew Meigs	Landscape response to deglaciation
Rick Colwell	Biogeochemistry of the Copper River Delta: Glimpsing Change in a High Latitude Wetland
Ross Hatton	Snake Robots
Adam Peck-Richardson	Seabird Oceanography
Sarah Rothenberg	The Effects of Arctic Warming on Mercury Cycling and Methylmercury Exposure
Allen Thompson	Adapting Environmental Ethics
Ian Moran	Environmental Pollution and Human Exposure in the Arctic
Eugene Zhang	Visual analytics: key to our understanding of science and communication to the public
Drew Gerkey	The Endurance of Arctic Subsistence in a Total Environment of Change

Reception