

Edges of Disciplines Presentations

The workshop will be conducted over 2-3 days. The first morning will focus on "Edges of Disciplines" speakers. These are speakers that can eloquently describe where their fields are headed and what will be required from other disciplines to attain these longer term goals. These speakers will be innovative, have a broad view of polar science and technologies, and provide a vision of the future of polar science over the next few decades. These talks are intended to inspire the workshop participants and initiate thinking about science themes that are most appropriately addressed by the AISS program. Speakers will also be invited who have been through similar processes in other fields and in the Arctic to brief the workshop participants on lessons learned – both successes and failures in attempting to bring a diverse community together.

(NOTE LARGE FILES MAY TAKE A MOMENT TO DOWNLOAD)

- **Introductory Remarks – Scott Borg, Antarctic Division Director, Office of Polar Programs**
 - ◆ **Antarctic Integrated & System Science Workshop**
<http://cresp.tamu.edu/AISSWorkshop/edges/borg/download>
- **"Lessons from the Arctic – ARCCS" – Josh Schimel, University of Santa Barbara**
 - ◆ Presentations – <http://cresp.tamu.edu/AISSWorkshop/edges/schimel/download>
- **"Future Life Sciences Research in the Antarctic – Challenges and Opportunities" – Donal Manahan, University of Southern California**
 - ◆ Presentation – <http://cresp.tamu.edu/AISSWorkshop/edges/manahanppt/download>
 - ◆ Summary – <http://cresp.tamu.edu/AISSWorkshop/edges/Manahan/download>
- **"Edges of Ice–Sheet Glaciology" – Robert Bindshadler, NASA/AMES**
 - ◆ Presentation – <http://cresp.tamu.edu/AISSWorkshop/edges/bindshadlerppt/download>
 - ◆ Summary – <http://cresp.tamu.edu/AISSWorkshop/edges/bindshadler/download>
- **"Projecting the Future—Some Considerations on Policy–Relevance, and on Paleoclimatic Issues" – Richard Alley, Penn State University**
 - ◆ Presentation – <http://cresp.tamu.edu/AISSWorkshop/edges/alleyppt/download>
 - ◆ Summary – <http://cresp.tamu.edu/AISSWorkshop/edges/alley/download>
- **"Future Challenges in Long Term Ecological Research" – Scott Collins, University of New Mexico and Hugh Ducklow, Marine Biological Laboratory**
 - ◆ **H Ducklow – EDGES of Long–term Ecological Research in Antarctica**
<http://cresp.tamu.edu/AISSWorkshop/edges/ducklow1/download>
 - ◆ **Scott Collins – INTEGRATED SCIENCE FOR SOCIETY AND THE ENVIRONMENT: A mechanistic approach to socio–ecological research**
<http://cresp.tamu.edu/AISSWorkshop/edges/collins/download>
 - ◆ Summary – **Future Challenges in Long–term Ecological Research Programs**
<http://cresp.tamu.edu/AISSWorkshop/edges/ducklow/download>
- **"Global Warming and Antarctica: Happening, Imminent, or Lost in the Climatic Noise?" – David Bromwich, Ohio State University**
 - ◆ Presentation – <http://cresp.tamu.edu/AISSWorkshop/edges/bromwich/download>
 - ◆ Summary – <http://cresp.tamu.edu/AISSWorkshop/edges/bromwich/download>
- **"Subglacial Water in Antarctica at the Intersection of Many Disciplines" – Robin Bell, Lamont Doherty Earth Observatory**
 - ◆ Presentation – <http://cresp.tamu.edu/AISSWorkshop/edges/bell/download>
 - ◆ Summary – to be added