

PARCA 2014

Tuesday, January 28

8:30 AM - 5:00 PM

GSFC Building 33, Room H114

- 08:30 Welcome: Logistics**
Thorsten Markus, Goddard Space Flight Center
- 08:40 View from Headquarters**
Thomas Wagner, NASA Headquarters
- 09:10 Radiostratigraphy of the Greenland Ice Sheet**
Joseph MacGregor, University of Texas at Austin
- 09:30 An Improved CryoSat-2 Sea Ice Freeboard and Thickness Retrieval Algorithm**
Nathan Kurtz, NASA Goddard Spaceflight Center
- 09:50 Status of Submeter Imagery Collection, Processing and Delivery**
Paul Morin, University of Minnesota
- 10:05 An Update from the Surface Mass balance and snow on sea ice working group (SUMup)**
Lora Koenig, NASA Goddard Space Flight Center
- 10:15 BREAK**
- 10:30 KEYNOTE:**
Cat-Herding - Developing Community Resources for Seismological Research
David Simpson, President, Incorporated Research Institutions for Seismology
- 11:00 PSTG Coordinated SAR Data Collection in Polar Regions: An Update**
Bernd Scheuchl, University of California Irvine
- 11:15 Overview of the NSF Polar Cyberinfrastructure Program**
Marco Tedesco, National Science Foundation
- 11:30 Assimilation of Surface Altimetry Data on 79 North Glacier Using Automatic Differentiation and ISSM**
Eric Larour, Jet Propulsion Laboratory
- 11:45 SeaRISE and the Upcoming SeaRISE-2 Project**
Sophie Nowicki, Goddard Space Flight Center
- 12:05 LUNCH**
- 01:15 The Greenland Firn Aquifer: Observations from OIB, In Situ Measurements, and Future Plans**
Rick Forster, University of Utah
- 01:30 Spatial Distribution of Ice Sheet Meltwater Export and Retention in Southwest Greenland from In Situ Observations**
Asa Rennermalm, Rutgers University
- 01:45 Supraglacial River Networks Dominate Surface Meltwater Drainage of the Greenland Ice Sheet**
Larry Smith, University of California Los Angeles
- 02:00 High Resolution Modeling of Cryo-Hydrologic Warming and its Parameterization in Ice Sheet Models**
Hari Rajaram, University of Colorado at Boulder
- 02:15 Ongoing Studies of Ice-Ocean Interactions in Greenland**
Eric Rignot, Jet Propulsion Laboratory
- 02:30 Connecting Subglacial Hydrology to Sediment Plumes and Submarine Melt**
Timothy Batholomaus, University of Texas at Austin
- 02:45 Using a Coupled Observational and Modeling Approach to Investigate Buoyant Plume Structure in Two Adjacent West Greenland Outlet Glacial Fjords**
David Sutherland, University of Oregon
- 03:00 Bathymetric Control of Tidewater Glacier Mass Loss in Northwest Greenland**
David Porter, Columbia University
- 03:15 Capturing the Seasonal Evolution of Greenland Hydrology and Ice-Ocean Processes with Icepod**
Robin Bell, Columbia University
- 03:30 BREAK**
- 03:45 An Improved Mass Budget for the Greenland Ice Sheet**
Ian Howat, Ohio State University
- 04:00 Acceleration of Ice Sheet Mass Losses from GRACE, Altimetry, Surface Mass Balance and Ice Flux: Trends, Significance and Uncertainties**
Isabella Velicogna, University of California Irvine
- 04:15 Greenland Ice Sheet Changes from Satellite Altimetry, GRACE and SAR Interferometry**
Rene Forsberg, Technical University of Denmark
- 04:30 Evaluating MAR and ISSM Simulated Mass Balance over Greenland Using GRACE Satellite Data**
Patrick Alexander, City University of New York
- 04:45 Comparison of Using Ice-Sheet Accumulation Rates from ERA-Interim Re-analysis and RACMO Modeling for Accumulation-Driven Mass-Change Estimates**
H. Jay Zwally, Goddard Space Flight Center
- 05:30 POSTER SESSION & COCKTAIL HOUR (GSFC RECREATIONAL CENTER)**
- 06:30 DINNER (GSFC RECREATIONAL CENTER)**