



National Snow and Ice Data Center

Scientist involvement at AGU



Monday December 5

Morning 1

Time	Session	Location	Title
0800	ED11D -1122	MCC Level 2	What About Sea Ice? People, animals, and climate change in the polar regions: An online resource for the International Polar Year and beyond; *S Renfrow, W N Meier , J Wolfe, D Scott, A Leon, R Weaver, POSTER

Morning 2

Time	Session	Location	Title
1020	C12B	MCC 2002	Antarctic Ice Shelves and Ice Sheet Evolution: Recent Advances From Modeling and Field Investigations II; PRESIDING: H A Fricker, Scripps Institution of Oceanography; T Scambos , National Snow and Ice Data Center; E Domack, Department of Geosciences, Hamilton

Afternoon 1

Time	Session	Location	Title
1340	C13B	MCC 2002	Antarctic Ice Shelves and Ice Sheet Evolution: Recent Advances From Modeling and Field Investigations II; PRESIDING: H A Fricker, Scripps Institution of Oceanography; T Scambos , National Snow and Ice Data Center; E Domack, Department of Geosciences, Hamilton
1355	C13A-02	MCC 2002	Tabular Iceberg Evolution and Break-up at Low Latitude: Imitating Ice Shelves; * T Scambos , O Sergienko, A Sargent, D MacAyeal, J Fastook, D Long; ORAL PRESENTATION
1445	H13J-05	MCC 3002	Characteristics of Snow Cover in the Sierra Nevada from MODIS and Landsat; *J Dozier, T H Painter , J E Frew; INVITED; ORAL PRESENTATION

Tuesday December 6

Morning 1

Time	Session	Location	Title
0800	C21A-1054	MCC Level 2	Graphical Representation of Snow Pit Data from CLPX; * R Armstrong , M J Brodzik, M A Parsons; POSTER
0800	C21A-1056	MCC Level 2	Hyperspectral Analysis of Dust Concentration, Snow Grain Size, and Broadband Albedo of Alpine Snowcover; *M P Cassidy, T H Painter ; POSTER
0800	C21B-1105	MCC Level 2	Antarctic Firn Temperature Measurements from 1949 - 1970: Potential for Climate Trend Determination via Re-measurement; *A Muto, T Scambos , J Bohlander; POSTER
0800	C21B-1107	MCC Level 2	National Snow and Ice Data Center: Antarctic Data Management Support; *R Bauer, T Scambos , G Scharfen, C Judy; POSTER
0800	C21C-1118	MCC Level 2	Response of Changes in Active Layer and Permafrost Conditions to Hydrological Cycle in the Russian Arctic; * T Zhang , O W Frauenfeld , R G Barry , A Etringer, J McCreight, D Gilchinsky; POSTER
0800	C21C-1121	MCC Level 2	Multi-model estimates of Arctic land surface conditions; *D P Lettenmaier, T J Bohn, A G Slater , J McCreight, M C Serreze ; INVITED; POSTER
0800	IN21C	MCC Level 2	Multidisciplinary Global Modeling: The Really Big Picture Posters; PRESIDING: S A True, National Geospatial-Intelligence Agency; B Collins, National Center for Atmospheric Research; R J Birk, NASA Applied Sciences, Science Mission Directorate; N Labelle-Hamer, Alaska Satellite Facility; W N Meier , National Snow and Ice Data Center-CIRES; R L Weaver, National Snow and Ice Data Center-CIRES; ORAL PRESENTATION
0800	U21A-0801	MCC Level 2	Towards a satellite-based sea ice climate data record; W N Meier , F Fetterer, J Stroeve , D Cavalieri, C Parkinson, J Comiso, *R Weaver; POSTER
0800	U21A-0804	MCC Level 2	The Effect of Sensor Differences in Deriving Long-Term Trends from Satellite Passive Microwave Snow Extent and Snow Water Equivalent *M J Brodzik, R L Armstrong , K Knowles, M H Savoie POSTER

Morning 2

Time	Session	Location	Title
1110	C22A-04	MCC 2002	Observed Changes and Drivers of Permafrost Temperatures in Northeastern Siberia * O W Frauenfeld , T Zhang , R G Barry , D Gilchinsky; ORAL PRESENTATION

Afternoon 1

Time	Session	Location	Title
1340	C23B	MCC 2002	Permafrost and Seasonally Frozen Ground in a Changing Climate II; PRESIDING: O W Frauenfeld , University of Colorado; H Jin, Cold and Arid Environmental and Engineering Research Institute
1410	C23B-03	MCC 2002	Permafrost and Climate Change: Here Today, Gone Tomorrow. A Coupled Climate Model Projection for the 20th and 21st Centuries; *D M Lawrence, A G Slater
1620	IN24A-02	Marriott Salon 10	Data Management, a Utility for Science; * M A Parsons , R Duerr, J Beitler; ORAL PRESENTATION

Wednesday December 7

Morning 1

Time	Session	Location	Title
0800	IC31A	MCC Level 2	Permafrost and Seasonally Frozen Ground in a Changing Climate IV Posters; PRESIDING: T Zhang , National Snow and Ice Data Center; S Gruber, Laboratoire EDYTEM, Universite de Savoie, France; F Nelson, University of Delaware
0800	C31A-1122	MCC Level 2	Means and Trends of Seasonally Frozen Ground Thickness in the Northern Hemisphere; J McCreight, *T Zhang , O W Frauenfeld , A Etringer, R G Barry , D Gilichinsky; POSTER
0800	IN31B-1156	MCC Level 2	Distributed Data Management for the Long Term; *R Duerr , M A Parsons, J Beitler; POSTER
0800	C31A-1101	MCC Level 2	Spatial Assessment of Performance of Hemispheric Permafrost Models Using a Multiscale, Hierarchical Approach to Model Validation: Results for North-Central Alaska; *N I Shiklomanov, O A Anisimov, T Zhang ; POSTER

Afternoon 1

Time	Session	Location	Title
1340	A33D-0939	MCC Level 2	Modeling Characteristics of Winter Cyclone Activity in the Northern North Atlantic; *D N Kindig, M Tsukernik, M C Serreze ; POSTER
1340	A33D-0938	MCC Level 2	Arctic Weather Change: Linking Indigenous (Inuit) Observations With the Surface Temperature Record; *G J Noonan, E C Weatherhead, S Gearheard , R Barry ; POSTER
1340	B33G	MCC 2010	Integrative Earth Sciences: Biogeochemical and Water Cycles; PRESIDING: T H Painter , National Snow and Ice Data Center; K A Hibbard, National Center for Atmospheric Research
1340	U33B-01	Marriott Salon 8	A New Look at the Arctic Freshwater Cycle: The Charge of the Budgeteers; *M C Serreze ; ORAL PRESENTATION

Afternoon 2

Time	Session	Location	Title
1630	B34B-03	MCC 2010	Deposition Changes in the Past And The Future; *N Mahowald, D Muhs, S Levis, M Yoshioka, P Rasch, C Zender, G Okin, T H Painter ; INVITED; ORAL PRESENTATION
1700	B34B-05	MCC 2010	Radiative effects of desert dust deposits to alpine snow; *T H Painter , A P Barrett, C Landry, J C Neff; ORAL PRESENTATION
1715	B34B-06	MCC 2010	Effects of Desert Dust on Nutrient Cycling in the San Juan Mountains, Colorado; *J C Neff, L Farmer, T H Painter , C Landry, R Reynolds INVITED; ORAL PRESENTATION

Thursday December 8

Morning 1

Time	Session	Location	Title
0800	B41D-0224	MCC Level 1	A synoptic climatology of desert dust deposition to the alpine snowpack in the San Juan Mountains, Colorado, U.S.A.; *K McBride, T H Painter , C Landry; POSTER
0800	B41D-0225	MCC Level 1	Impact of Desert Dust on Meltrates and Runoff from Mountain Snowpacks; *A P Barrett, T H Painter , C Landry; POSTER
0800	GC41A-0386	MCC Level 1	Probabilistic Quantitative Precipitation Estimation in Complex Terrain; *M Clark, A G Slater ; INVITED; POSTER
0800	U41A-0804	MCC Level 2	Influence of Climate Change on Extratropical Cyclones and Resulting Effects on Arctic Hydrology; *J Finnis, M C Serreze , M M Holland, C J John; POSTER
0800	U41A-0813	MCC Level 2	Freshwater input to the Arctic: Uncertainty in model forcing vs. model structure; *A G Slater , T Bohn, J L McCreight, M C Serreze , D P Lettenmaier, X Wang, J Key; POSTER
0800	U41A-0817	MCC Level 2	Streamflow Response to Seasonal Snowcover Change over the Large Northern Rivers *D Yang, Y Zhao, D Robinson, R Armstrong , H Ye; POSTER

Morning 2

Time	Session	Location	Title
1135	C42A-06	MCC 2002	Century-Scale Ice Stream Variability and Stability: A case study of Kamb Ice Stream, West Antarctica; *G A Catania, T Scambos , H Conway, C Raymond; ORAL PRESENTATION

Afternoon 1

Time	Session	Location	Title
1340	H43A-0496	MCC Level 1	One-Dimensional compared to Three-Dimensional Snow Data Assimilation; *M P Clark, A G Slater ; POSTER
1345	A43G-01	Marriott Salon 5	Seasonal and Regional Aspects of Northern High Latitude Cyclone Activity; *M C Serreze ; INVITED; ORAL PRESENTATION
1515	A43G-06	Marriott Salon 5	Winter Cyclone Activity in the Northern North Atlantic: Observational Analysis; *M Tsukernik, M Serreze , D Kindig; ORAL PRESENTATION

Afternoon 2

Time	Session	Location	Title
1720	U44A-05	Marriott Salon 7	Spatial and Temporal Variability in Active Layer Thickness over the Russian Arctic Drainage Basin; R G Barry , *T Zhang , O W Frauenfeld , M Serreze , A Etringer, C Oelke, J McCreight, D Gilichinsky, D Yang, H Ye, F Ling, S Chudinova; ORAL PRESENTATION
1745	C44A-08	MCC 2002	Mechanical feedbacks in calving glacier retreat, thinning and acceleration. *M Howat, S Tulaczyk, I Joughin, S O'Neel, T Scambos ; ORAL PRESENTATION

Friday December 9

Morning 1

Time	Session	Location	Title
0800	C51B-0286	MCC Level 1	First Results of GLIMS Database Population for Former Soviet Union Glacier Regions *T Khromova, G Nosenko, R Armstrong , B Raup, S S Khalsa, R Barry ; POSTER

For a complete list of NSIDC researchers and professional staff who are presenting at AGU, please visit the NSIDC booth.