

WAIS 2015 Agenda

Wednesday, September 16

Time	Topic	
3:00pm to 8:00pm	Registration: pick up badges	Sylvan Dale Heritage Lodge, Main Room
3:00pm to 8:00pm	Poster set up	Dining Tent
5:00pm to 7:00pm	WAIS Science Steering Group Meeting	Heritage Lodge - small side room
5:00pm to 9:00pm 6:30pm to 8:00pm	Cash bar Pizza dinner Presenters - upload talks (5p-9p) with Allen Pope	Sylvan Dale - dining tent

Thursday, September 17

Time	Topic	Speaker
7:00-8:15am	Breakfast at respective lodging sites (hotels)	
8:00-8:20	Arrive to Sylvan Dale Poster set up	
8:30am	Welcome and logistics Ted Scambos	Heritage Room
Session 1	Westworld - Ice Sheet Modeling	
8:45 to 9:50 4 talks (15 min + 1 min transition)	On the climatic signature of a collapse of the West Antarctic Ice Sheet [Abstract] [Presentation]	Eric Steig 127
	WAIS-ting away again in East Antarctica: Sirius-ly searching for that lost shaker of diatoms [Abstract] [Presentation]	Richard Alley 103
	Large-Ensemble modeling of last	David Pollard

	deglacial and future variations of the Antarctic Ice Sheet [Abstract]	101
	A heuristic mass-flux calving parameterization [Abstract] [Presentation]	Jason Amundson 133
9:50 to 10:10	Open discussion	
10:10 to 10:30	Coffee break Poster set up	
Session 2	Six Flags Over (an ice shelf the size of) Texas	
10:30 to 12:10 6 talks (15 min + 1 min transition)	Integrative Study of the Ross Ice Shelf - ROSETTA-ICE [Abstract] [Presentation]	Robin Bell 170
	Modeling the widening of ice stream margins [Abstract]	Marianne Haseloff 142
	WISSARD at the Grounding Zone of Whillans Ice Stream: Scientific Operations and Initial Observations [Abstract]	Slawek Tulaczyk 143
	Flow variability and ongoing margin jumps on Bindschadler and MacAyeal Ice Streams, West Antarctica [Abstract] [Presentation]	Christina Hulbe 116
	Recent activity of subglacial lakes underneath the trunk of Kamb Ice Stream, West Antarctica, detected by Cryosat-2 [Abstract] [Presentation]	Choon-Ki Lee 136
	Rapid Early-Holocene Deglaciation of the Southern Ross Sea [Abstract] [Presentation]	Perry Spector 129
12:10 to 12:30	Open discussion	
12:30 to 2:00	Lunch and Posters	Dining Tent
Session 3	The Wild Bunch: Recent fieldwork in WAIS and related areas	

2:00 to 3:20 5 talks (15 min + 1 min transition)	Ice Shelf Seismology: Recent Broadband Seismological Observations And Future Prospects [Abstract] [Presentation]	Richard Aster 144
	The timing of the Last Glacial Maximum in the Lake Wellman region, Hatherton Glacier, Antarctica [Abstract] [Presentation]	Courtney King 119
	Holocene deglaciation of the Darwin-Hatherton glacier system and the Ross Embayment, Antarctica [Abstract] [Presentation]	Trevor Hillebrand 112
	Bed properties beneath Pine Island Glacier from radar investigations [Abstract] [Presentation]	Robert Bingham 152
	Ice shelf basal melting hour by hour, all year round! [Abstract] [Presentation]	Keith Makinson 117
3:20 to 3:40	Open discussion	
3:40 to 4:00	Coffee break	
4:00	Activities at Sylvan Dale	Horseback riding (extra fee), hiking, games, foosball tournament, billiards, tennis, shuffleboard, volleyball...
5:00	Poster Session Presenters - upload and test talks Cash bar opens	
6:30 to 8:00	Dinner	
8:00 to 9:30	Return to hotels	
9:00	Cash bar closes	

Friday, September 18

7:00am to 8:15am	Breakfast at your lodging	
8:00 to 8:20	Arrive to Sylvan Dale	
8:20 to 8:30	NSIDC welcome - Mark Serreze, NSIDC Director	
Session 4	Paint Your Wagon 1: Traverses, aircraft, and satellite work	
8:30 to 9:50 5 talks (15 min + 1 min transition)	The evolving instability of the remnant Larsen B Ice Shelf and its tributary glaciers [Abstract] [Presentation]	Ala Khazendar 153
	Observed rift propagation in the Larsen C Ice Shelf and future calving front stability [Abstract] [Presentation]	Daniela Jansen 160
	Potential Controls on a Rapidly Propagating Rift on the Larsen C Ice Shelf, Antarctica [Abstract] [Presentation]	Dan McGrath 115
	Extensive deformed deep-ice unit beneath Institute and Möller Ice Streams, West Antarctica [Abstract] [Presentation]	Neil Ross 139
	Ice-flow reorganization in the Weddell Sea Sector of West Antarctica 2.5 ka before present dated using radar-derived englacial flow velocities [Abstract] [Presentation]	Jonathan Kingslake 141
9:50 to 10:10	Open discussion	
10:10 to 10:30	Coffee break	
Session 5	Paint Your Wagon 2 AND The Big Valley 1: Thwaites, Pine Island, and the Amundsen Sea Embayment: ice, ocean, and climate interactions	
10:30 to 12:10 6 talks	Amundsen Sea Sector over the last 40 years	Jeremie Mouginot 169

(15 min + 1 min transition)	[Abstract] [Presentation]	
	Bed properties beneath Pine Island Glacier from seismic investigations [Abstract] [Presentation]	Andy Smith 123
	Investigating Elevation Change in the Bellingshausen Sector of the West Antarctic Ice Sheet [Abstract] [Presentation]	Allen Pope 106
	Landsat- and InSAR-derived grounding-line dynamics in the Bellingshausen Sea sector of West Antarctica [Abstract]	Frazer Christie 105
	Amundsen Sea Coastal Domes: Targeted Holocene Ice Cores Sites [Abstract] [Presentation]	Peter Neff 128
	Freshwater Distributions in the Amundsen Sea Polynya Region [Abstract] [Presentation]	Sharon Stammerjohn 150
12:10 to 12:30	Open discussion	
12:30 to 1:30	Lunch	Dining Tent
Session 6	The Big Valley 2: Thwaites, Pine Island, and the Amundsen Sea Embayment: ice, ocean, and climate interactions	
1:30 to 2:50 5 talks (15 min + 1 min transition)	External forcing modulates Pine Island Glacier flow [Abstract] [Presentation]	Knut Christianson 118
	Circumpolar Deep Water Transport and shelf break processes in the Amundsen Sea [Abstract] [Presentation]	Karen Assmann 148
	Autonomous ocean observations beneath Pine Island Glacier Ice Shelf, West Antarctica [Abstract] [Presentation]	Pierre Dutrieux 145
	Observation and modeling of the	Yoshihiro Nakayama

	spreading glacial melt water from the Amundsen and Bellingshausen Seas [Abstract] [Presentation]	111
	Ice Sheet Meltwater Impacts on Biological Productivity in the Amundsen Sea Polynya Region [Abstract] [Presentation]	Patricia Yager 146
2:50 to 3:10	Open discussion	
3:10 to 3:30	Coffee break	
Session 7	Cowboys and Aliens: US-International Collaborations	
3:30 to 5:00	<p>Talks and discussion on potential US-International Collaborations</p> <p>Recommendations of the NAS Study (Bell/Scambos/Geller) [Abstract] [Presentation]</p> <p>iSTAR Programme (A. Smith) [Presentation]</p> <p>New Zealand Programme (C. Hulbe) [Presentation]</p> <p>European Consortium (S. Osterhus) [Presentation]</p> <p>BAS/NERC (D. Vaughan, A. Smith) [Presentation]</p>	<p>Laurie Geller Robin Bell Ted Scambos Christina Hulbe Andy Smith David Vaughan Sridhar Anandakrishnan Svein Osterhus NSF officers</p>
5:00 to 6:30	Posters Presenters - upload and test talks	Dining Tent
5:00 to 9:00	Cash bar	
6:30 to 8:00	Dinner	
8:00 to 10:00	Campfire	
8:30 to 10:00	Return to hotels	

Saturday, September 19

7:00 to 8:15	Breakfast at your lodging, check out of your hotel/lodging	
8:00 to 8:20	Arrive to Sylvan Dale	
Session 8	High Plains Drifter: Climate, meteorology, and surface mass balance on WAIS and EAIS	
8:30 to 9:50 5 talks (15 min + 1 min transition)	Antarctic Seasonal Station-Based Pressure Variability during the 20th Century [Abstract] [Presentation]	Ryan Fogt 131
	South Pacific circulation changes and their connection to the tropics and regional Antarctic warming in austral spring [Abstract] [Presentation]	Kyle Clem 108
	Investigating the asymmetry in accumulation over several Amundsen-Bellingshausen Coastal Ice Dunes from airborne radar [Abstract] [Presentation]	Brooke Medley 165
	Accumulation trends and small-scale variability across WAIS divide [Abstract] [Presentation]	Lora Koenig 140
	Melt in context: Exploring past, present, and potential future trajectories of Antarctic ice shelf surface melting [Abstract]	Luke Trusel 147
9:50 to 10:10	Open discussion	
10:10 to 10:30	Coffee break	
Session 9	True Grit: marine sediments, subglacial hydrology, and ice-bedrock interactions	
10:30 to 12:10 6 talks (15 min + 1 min transition)	Temporal changes in bed elevation beneath Pine Island Glacier, West Antarctica, from repeat radar surveys [Abstract]	Damon Davies 132

	Sub-ice shelf sediments record the unpinning of Pine Island Glacier from a sea floor ridge [Abstract]	James Smith 167
	Upper-crustal structures and their influence on ice dynamics in the Amundsen Sea Embayment [Abstract]	Atsuhiko Muto 130
	Evidence of meltwater influence on rapid ice-sheet retreat in the Ross Sea, Antarctica [Abstract] [Presentation]	Lauren Simkins 109
	Extending the active subglacial lake record across Antarctica [Abstract] [Presentation]	Matthew Siegfried 156
	A Ranch Dude Abides: The condition of the conditional hydrology [Abstract] [Presentation]	Timothy Creyts 157
12:10 to 12:30	Open discussion	
12:30	Lunch	Dining Tent
1:30 to ?	You are welcome to stay the afternoon at the Ranch	

Posters

Earth System Model for Ice-Sheet and Solid-Earth/Sea-Level Coupling [Abstract]	Surendra Adhikari 137
Geological record of runaway grounding line and widespread collapse of Ross Ice Shelf during late Holocene [Abstract]	John Anderson 166
Evaluation of climate model-simulated Antarctic Ice Sheet snow and firn density using in situ data [Abstract]	Patrick Alexander 151
A synoptic view of Antarctic exposure-age data [Abstract]	Greg Balco 134
Will subglacial volcanism beneath the West Antarctic Ice Sheet increase as future deglaciation caused by ocean circulation proceeds? [Abstract]	John Behrendt 107
Ross Ice Shelf Vibrations and Structure [Abstract]	Peter Bromirski 149
A GPR approach to searching for pre-WAIS collapse glacier ice [Abstract]	Seth Campbell 159
Ross Sea ice stream paleodrainage: retreat scenarios and changing controls [Abstract]	Anna Ruth Halberstadt 168
Timing of the last glacial maximum and deglaciation in the western Ross Sea, Antarctica [Abstract]	Brenda Hall 110
Changes in Pine Island Glacier and Thwaites Glaciers from analysis of altimeter data and image classification [Abstract]	Ute Herzfeld 120
Internal reflector slope fields as a proxy for ice sheet velocity structure [Abstract]	Nicholas Holschuh 124
Ice-sheet-wide surface velocity measurements from Landsat 8 [Abstract]	Marin Klinger 155
Assimilating geochronological data into ice-flow models to constrain the deglaciation of Transantarctic outlet glaciers [Abstract]	Michelle Koutnik 126
Direct observations of rapid basal melting and bed topography in the grounding zones of the Dotson and Crosson ice shelves, West Antarctica [Abstract]	Ala Khazendar 154
Understanding and protecting snow in Antarctica: the goals of the	Katherine Leonard

SCAR Action Group “SnowAnt” [Abstract]	125
Toward radar thermometry of ice sheets [Abstract]	Joseph MacGregor 104
4D surface velocity fields inferred from continuous synthetic aperture radar observations: Applications to Rutford Ice Stream, WAIS [Abstract]	Brent Minchew 114
A Glacial Geologic History of Tucker Glacier, Antarctica [Abstract]	Isaac Moening-Swanson 102
Long-term variations in the oceanic mass and heat transport beneath the Ronne Ice Shelf [Abstract]	Svein Østerhus 163
Long-term observing system for the oceanic regime of Filchner-Ronne Ice Shelf, Antarctica [Abstract]	Svein Østerhus 164
Refining our understanding of sediment retreat facies and geomorphology for an accurate deglacial history of the Ross Sea [Abstract]	Lindsay Prothro 122
Firn corrections for geophysical studies: new methods, parameters, and prospects [Abstract]	Kiya Riverman 162
Modelled effect of ice shelf collapse on glacier flow dynamics in the northern Antarctic Peninsula [Abstract]	Samantha Royston 138
Development of an Integrated Climate-Ice-Ocean Sensor System: AMIGOS-II	Ted Scambos
Ice velocities measured using satellites -- the end of a data drought [Abstract]	Bernd Scheuchl 158
Antarctic Glaciological Data Center: Evolution towards a web-integrated data system for Antarctic Data [Abstract]	Amy Steiker 171