

CESM Land Ice Working Group Meeting
2 – 3 February 2015
National Center for Atmospheric Research – Mesa Lab
Boulder, Colorado

MONDAY, 2 February – Damon Room

Webcast Instructions:

AUDIO: Dial this access number: 1-866-740-1260 – Enter access code **4971358**

VIDEO: Go to www.readytalk.com; under "join a meeting" enter access code **4971358**

1:00	Welcome and logistics	Co-chairs
1:10	Free boundaries and conservation equations in ice sheet models	Ed Bueler
1:25	A historical forcing ice sheet model validation framework for Greenland	Steve Price
1:40	Practical multigrid methods for momentum balance in ice sheet models	Jed Brown
1:55	Recent developments in ice sheet model coupling at the NASA GMAO	Richard Cullather
2:10	GCM - Ice model coupling: Adventures in energy conservation	Bob Fischer
2:25	Update on the Community Ice Sheet Model	Bill Lipscomb
2:40	CESM/CISM software engineering update	Bill Sacks
3:00	<i>Break</i>	
3:30	Update on the <i>Albany/FELIX</i> first order Stokes solver and the <i>CISM-Albany</i> and <i>MPAS-Albany</i> dycores	Irina Kalashnikova
3:45	LIVV: Design and architecture	Andrew Bennett
4:00	The effect of bed topography on modeled grounding line migration in a conditional simulation of Thwaites Glacier, West Antarctica	Scott Waibel
4:15	Shallow firn saturation: a rapid mechanism for amplifying surface mass balance feedbacks on the Greenland Ice Sheet	Mike MacFerrin
4:30	The Greenland Firn Aquifer: Discovering englacial water storage and motion	Lora Koenig
4:45	Recent results and products from remote sensing of ice sheet velocities	Twila Moon
5:00	<i>Adjourn</i>	

TUESDAY, 3 February – Damon Room

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8:30	<i>Coffee</i>	
9:00	A statistically derived model for basal sliding	Evan Cummings and Jesse Johnson
9:15	Modeling weakly transmissive drainage beneath the Greenland Ice Sheet	Matt Hoffman
9:30	Insights from thermo-mechanically coupled modeling of high-elevation regions of the Greenland Ice Sheet	Aleah Sommers
9:45	New First-Order System Least Squares (FOSLS) formulation of nonlinear Stokes flow for glaciers	Jeffery Allen
10:00	Crevasses as process indicators: Modeling experiments and data classification	Ute Herzfeld
10:15	Ice age: A new constraint for models of the Greenland Ice Sheet	Joe MacGregor
10:30	<i>Break</i>	
11:00	ISMIP6: Ice Sheet Model Intercomparison Project for CMIP6	Sophie Nowicki and Bill Lipscomb
11:15	Discussion	
12:00	<i>Lunch</i>	

Main Seminar Room

Webcast:  Webcast: www.fin.ucar.edu/it/mms/ml-live.htm 

Joint Session with Polar Climate Working Group

1:00	Late Pleistocene ice sheet-ice shelf-ocean interactions and abrupt climate and sea level change	Peter Clark
1:20	Progress and challenges in ice-sheet/climate coupling in CESM	Jeremy Fyke
1:40	Evaluation of present-day surface energy and mass balances of the Greenland ice sheet with CESM (CAM5)	Leo van Kampenhout
2:00	1850-2200 surface mass balance of the Greenland Ice Sheet as simulated with CESM (CAM5)	Miren Vizcaino
2:20	Intensification of the Antarctic hydrological cycle in a warming climate: A study with CESM	Jan Lenaerts
2:40	Discussion	
3:00	<i>Break</i>	
3:30	Toward high-resolution circum-Antarctic simulations using the POPSICLES coupled ice sheet-ocean model	Dan Martin
3:50	Assessing the impact of Arctic sea ice variability on the Greenland Ice Sheet surface mass and energy balance	Julienne Stroeve
4:10	Clouds, inversions, and radiation at Summit, Greenland	Nate Miller
4:30	CESM workflow refactor project	Alice Bertini and Sheri Mickelson
5:00	<i>Adjourn</i>	