

**CESM Land Ice Working Group Meeting**  
**14 – 15 February 2013**  
**National Center for Atmospheric Research – Mesa Lab**  
**Boulder, Colorado**

**THURSDAY, 14 February – Damon Room**

- 9:00 Co-chairs – Welcome and introductions
- 9:10 [Dan Martin](#) – Update on the Bisicles dynamical core in CISM
- 9:30 [Irina Kalashnikova](#) – A new unstructured variable-resolution finite element ice sheet stress-velocity solver within the MPAS / Trilinos FELIX dycore of PISCEES
- 9:50 [Douglas Brinkerhoff](#) – A new variational derived ice sheet model
- 10:10 [Jesse Johnson](#) – A novel approach to calculation of mass conserving beds and error estimation
- 11:00 [David Pollard](#) – Relating inverse-derived basal sliding coefficients beneath ice sheets to other large-scale basal variables
- 11:20 [Harihar Rajaram](#) – The physics of cryo-hydrologic warming
- 11:40 [Matt Hoffman](#) – Progress in coupling land ice and ocean models
- 12:00 [Steve Price](#) – Updates from LIWG members who could not attend the meeting
- 2:00 [Jeremy Fyke](#) – Development and evaluation of CESM-CISM coupling and spin-up, and initial sea level rise results from Greenland
- 2:20 [Bill Sacks](#) – LIWG software engineering updates and future plans
- 2:40 [Bob Fischer](#) – Method and toolkit for two-way ice sheet – GCM coupling
- 3:00 [Miren Vizcaino](#) – First realistic simulation of surface mass balance of the Greenland ice sheet with a global climate model: Evaluation, projections, and future challenges with CESM
- 3:40 [Bin Zhao](#) – An evaluation of the present day surface energy and mass balance over Greenland ice sheet in GEOS-5
- 4:00 [Adam Herrington](#) – Sensitivity of nascent ice sheet growth rates to the frequency of GCM updates: Toward optimal coupling of GCMs and ice sheet models
- 4:20 Nicole-Jeanne Schlegel – Sensitivity of the Northeast Greenland ice stream to errors in surface mass balance forcing using Ice Sheet System Model
- 4:40 [Charles Jackson](#) – Impacts of surface mass balance uncertainties on ice sheet initialization and predictions of sea level rise

**FRIDAY, 15 February – Damon Room**

- 9:00 [Gunter Leguy](#) – Advanced ice sheet modeling: Parameter estimation for grounding-line transition
- 9:20 Weili Wang – SeaRISE experiments for the Greenland ice sheet from the AIF model
- 9:40 [Kate Evans](#) – Verification and validation strategies for the Community Ice Sheet Model