

# CSDMS 2011 ANNUAL Meeting

## Impact of time and process scales

October 28-30<sup>th</sup>, Boulder Colorado, USA

[http://csdms.colorado.edu/wiki/Form:CSDMS\\_2011\\_meeting](http://csdms.colorado.edu/wiki/Form:CSDMS_2011_meeting)

(Remember to make your arrival/departure plans to/from Denver Airport/Boulder: [http://csdms.colorado.edu/wiki/Directions\\_to\\_CSDMS](http://csdms.colorado.edu/wiki/Directions_to_CSDMS))

**VENUE** UCAR Center Green Campus, CG1 Bldg: (<http://www2.ucar.edu/campus/center-green-campus>)

**AGENDA** [Drafted October 11, 2011. Please also check online for updates at: [http://csdms.colorado.edu/wiki/Form:CSDMS\\_2011\\_meeting](http://csdms.colorado.edu/wiki/Form:CSDMS_2011_meeting)].

**Thursday, Oct. 27<sup>th</sup>:** (Arrivals and hotel check-in)

**Friday, Oct. 28<sup>th</sup>**

07:30 Bus arrives. **Bus departs 7:45am from hotel\*** (<http://www.millenniumhotels.com/millenniumboulder/index.html>)

**Chair:** Rudy Slingerland (Penn State)

08:30 James Syvitski (Univ Colorado/CSDMS) & Stein Sture (Univ Colorado Vice-Chancellor for Research):  
Welcome, CSDMS Overview, update, meeting points

09:30 Eunseo Choi (LDEO, Columbia U): Bridging surface dynamics to tectonic modeling with SNAC

10:00 Michael Pycrz (Chevron): Applications of Rule-based Models and Geostatistics

10:30 BREAK

**Chair:** Ramesh Singh (Chapman U)

10:45 Andrew Wickert (U Colorado/CU): Feedbacks between surface processes and flexural isostasy: a motivation  
for coupling models

11:00 Robert Anderson (U Colorado/CU): Glacier hydrological modeling

11:30 Marcelo Garcia (UIUC): Morphodynamics & river models

12:00 Cathy Manduca (Carlton College): Quantitative modeling and education

12:30 LUNCH

13:30 **Parallel Clinics**

Scott Peckham (U Colorado/CSDMS): Topoflow (Terrestrial/Hydrology)

Brad Murray (Duke U) & Andrew Ashton (WHOI): CEM (Coastal)

Eric Hutton (CU/CSDMS) & Irina Overeem (CU/CSDMS): Sedflux (Marine)

Rudy Slingerland (Penn State): Deriving Dynamic Earth System Models (Geo-Modeling)

16:00 **Poster Session #1** (with refreshments)

18:00 **End of Day 1** (Bus back to Hotel - dinner on one's own)

**Saturday, Oct. 29<sup>th</sup>**

07:30 Bus arrives. **Bus departs 7:45am from hotel\***

**Chair:** Balazs Fekete (CCNY/CUNY)

08:30 Sybil Seitzinger (Intl Geosphere-Biosphere Programme/IGBP): GlobalNEWS—C&Nutrient Transport Modeling

09:00 Patricia Wiberg (U of Virginia): Scaling marine sediment transport

09:30 Alberto Canestrelli (Boston U): Tidal channels and estuarine dynamics

10:00 Man Liang (U Minnesota): A Reduced-Complexity Channel-Resolving Model for Sedimentary Delta Formation

10:15 BREAK

**Chair:** Philip Hill (GSC-NRCan)

10:30 Ad Reniers (Rosenstiel School of Marine and Atmospheric Science; RSMAS): XBeach

11:00 Malcolm Scully (Old Dominion U): ChesROMS

11:30 Catherine Villaret (Électricité de France/EDF): Telemac

12:00 LUNCH

13:00 **Parallel Clinics**

Gregory Tucker (CU/CIRES), Nicole Gasparini (Tulane U) & Stephen Lancaster (Oregon State): CHILD (Terrestrial)

Bert Jagers (Deltares) & Doug Edmonds (Boston College): Delft3D (Coastal)

Peter Burgess (Royal London Holloway Univ. of London): Cyclopath & CarboCAT (Marine)

David Pugmire (Oak Ridge National Laboratory/ORNL) & Hank Childs (Lawrence Berkeley Ntl Lab/LBNL?): VisIt (Generic)

16:00 **Poster Session #2** (with refreshments)

17:45 **End of Day 2** – (Bus back to Hotel)

(Hosted BANQUET this evening)

## Saturday, Oct. 29<sup>th</sup> - continued

### Evening Banquet: The Marriott Boulder (<http://www.marriott.com/hotels/travel/denbo-boulder-marriott/>)

18:30 (Bus loads & departs hotel at 6:40pm) (Weather permitting it is also a short walk from hotel, if you choose)

### 19:00-21:00 Banquet

21:30 (Bus loads & departs for hotel by 9:45pm) (Weather permitting it is also a short walk to hotel, if you choose)

## Sunday, Oct. 30<sup>th</sup>

*Those departing may arrange early am check-out of the hotel. Bags may be held at hotel for departures at/after 7pm (buses return to hotel by around 6:30-7pm). If you are making plans to depart earlier than 7pm, you may keep your bags with you in our UCAR meeting rooms and arrange for your ride to pick you up from UCAR.*

07:30 Bus arrives. **Bus departs 7:45am from hotel\*** (<http://www.millenniumhotels.com/millenniumboulder/index.html>)

**Chair:** Mary Hill (USGS-NRP)

08:30 Charlie Vörösmarty (CUNY): Global hydrology

09:00 Michael Barton (Arizona State U): High Resolution Surface Process Modeling in a GRASS GIS Environment

09:30 Dylan Ward (U New Mexico): Modeling the glacial-interglacial impact of the Pacific trade wind inversion on the geomorphology and hydrology of the Big Island of Hawai'i

10:00 Elchin Jafarov (U Alaska – Fairbanks): Modeling Permafrost – a CMT component

10:15 **BREAK**

**Chair:** Larry Hinzman (U Alaska- Fairbanks)

10:30 Jonathan Goodall (U South Carolina): Integrated modeling & data access — CUAHSI HIS HydroModeler

11:00 Reed Maxwell (Colorado School of Mines): ParFlow

11:30 Eckart Meiberg (UCSB): DNS modeling & upscaling

12:00 **LUNCH**

### 13:00 **Parallel Clinics**

David Tarboton (Utah State U): TauDEM (Terrestrial/Hydrology)

Chris Sherwood (USGS): ROMS CSTMS (Marine)

Irina Overeem (CU/CSDMS) & Scott Peckham (CU/CSDMS): CMT clinic (Generic)

Thomas Hauser (Univ Colorado): HPCC clinic (Generic)

### 16:00 **Working & Focus Research Group Meetings (review Strategic Plans) ([refreshments](#))**

Terrestrial & EKT (Tucker & Overeem)

Hydro & Cyber (Goodall & Meiburg)

Marine & Chesapeake (Wiberg & Friedrichs)

Coastal & Carbonates (Murray & Burgess)

17:45 **End of CSDMS Meeting 2011 (Bus back to Hotel - dinner on one's own)**

*Continued Departures*

#### **\* Bus Schedule:**

University of Colorado (CU) buses will transport you from the Millennium Harvest House Hotel to the meeting venue (UCAR Center Green Campus, CG1). **IMPORTANT NOTE: The buses will load at 7:30am and depart at 7:45am from outside the hotel** and return you to the hotel after the meeting ends. Buses will load from UCAR CG1 at 6:00pm and depart at 6:15pm (departure will be from 5:45pm to 6:00pm on Oct 29 to accommodate the evening banquet). The drive to/from the hotel/UCAR takes about 15-20 minutes. **It is HIGHLY recommended that you not miss the CU bus.**

**RTD Bus System:** If you need to arrive/depart at other times on Friday, Saturday and Sunday, you may use the local RTD bus system: [<http://www.rtd-denver.com>]. To find the bus route, in the directional fields input the hotel as 'Arapahoe & 28th Street (choose Boulder) and input UCAR as 'Valmont & Center Green Drive'. **UCAR Shuttle:** On Friday only you may catch a UCAR shuttle but only during peak hours (6:45 a.m. to 9:00 a.m., 11:30 a.m. to 1:00 p.m., 4:00 p.m. to 6:45 p.m.) The nearest pick-up/drop-off point from the hotel is the 29th Street Mall point located by the California Pizza Kitchen by the intersection of 28th street and Canyon Street. It is a couple blocks walk from the hotel. Visit this link for exact information on where to catch the UCAR shuttle: [<http://www.fin.ucar.edu/sass/transport/shutttserv.html>]. **Taxi:** The Millennium Harvest House Hotel will assist you with taxi service.

## Monday, Oct. 31st (Invitation only) (Meetings held at the Millennium Harvest House Hotel)

08:30 **Meeting of the CSDMS Executive Committee -- 10:00 (break)**

10:15 **Meeting of the CSDMS Steering Committee -- 12:00 (lunch)**

*Departures of Executive and Steering Committee members*