

**CSDMS Annual Meeting 2014: Uncertainty and Sensitivity in Surface Dynamics Modeling**  
**May 20-22, 2014** (Agenda draft updated 5/7/14)

**DAY 1**

<b>May 20-Tuesday</b>	<b>What</b>	<b>Speaker/facilitator</b>	<b>Topic</b>
8:00	<i>Buses depart from hotel</i>		
8:30	<i>Registration</i>		
9:00	Welcome	Patricia Wiberg (UVA)	
9:05	Meeting Goals & CSDMS Updates	James Syvitski (CSDMS)	Meeting Goals & CSDMS Updates
9:35	Guest Talk	Jef Caers (Stanford)	CSDMS: Special issue in Computers & Geosciences Journal
9:45	Keynote 1	Peter Koons (UMaine)	Unifying Tectonics & Surface Processes in Geodynamics
10:15	<i>Break</i>		
10:30	Keynote 2	David Pyles (CSM)	Testing the efficacy and uncertainty of outcrop- and model-based studies through collaboration: A field geologist's perspective
11:00	Breakout 1.1	Terrestrial, Hydro, CZO, & Geodynamics Groups	Discussion on group activities
	Breakout 1.2	Coastal, Marine, Carbonate, & Chesapeake Groups	Discussion on group activities
	Breakout 1.3	Anthropocene, EKT, & Cyber Groups	Discussion on group activities
12:00	<i>Lunch</i>		
1:00	Clinic 1.1	Mark Piper & Irina Overeem (CSDMS)	WMT- The CSDMS Web Modeling Tool
	Clinic 1.2	Ali Khosronejad (UMN)	The SAFL Virtual StreamLab (VSL3D): High Resolution Simulation of Turbulent Flow, Sediment Transport, and Morphodynamics in Waterways
	Clinic 1.3	Chris Jenkins (INSTAAR)	Carbonate Models Clinic - carbo* suite
3:00	<i>Break</i>		
3:15	Keynote 3	Jim McElwaine (Durham U)	The Dynamics of Granular Flows
3:45	Keynote 4	Alexey Voinov (UTwente)	Exploring climate mitigation and low-carbon transitions: new challenges for model integration
4:15	Keynote 5 (student talk)	Ajay Limaye (CalTech)	A vector-based method for bank-material tracking in coupled models of meandering and landscape evolution
4:30	Poster session 1		
6:30	<i>Buses depart to hotel</i>		

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**DAY 2**

<b>May 21-Weds</b>	<b>What</b>	<b>Speaker/facilitator</b>	<b>Topic</b>
8:30	<i>Buses depart from hotel</i>		
9:00	Keynote 6	Andrew Nicholas (Exeter)	Modeling Evolution of Large Floodplains
9:30	Keynote 7(student talk)	Rebecca Caldwell (IU)	A numerical modeling study of the effects of sediment properties on deltaic processes and morphology
9:45	Keynote 8	Rudy Slingerland (Penn State)	The FESD Delta Dynamics Modeling Collaboratory: A Progress Report
10:15	<i>Break</i>		
10:30	Clinic 2.1	Scott Peckham (CSDMS)	Introduction to the Basic Model Interface and Standard Names
	Clinic 2.2	Eunseo Choi (CERI, UM)	SNAC: A 3D parallel explicit finite element code for long-term lithospheric deformation modeling
	Clinic 2.3	Joshua Watts (ASU)	Agent-Based Modeling Research: Topics, Tools, and Methods
	Clinic 2.4	Monte Lunacek (CU)	Interactive Data Analysis with Python
12:30	<i>Lunch</i>		
1:30	Breakout 2.1	Terrestrial, Hydro, CZO, & Geodynamics groups	Discussion: Model Intercomparison Experiments Design
	Breakout 2.2	Coastal, Marine, Carbonate, & Chesapeake groups	Discussion: Model Intercomparison Experiments Design
	Breakout 2.3	Anthropocene, EKT, & Cyber groups	Discussion: Model Intercomparison Experiments Design
3:00	<i>Break</i>		
3:15	Keynote 9	Eric Larour (JPL)	Towards better quantifications of the uncertainty in polar ice-sheet projections using the open source framework ISSM
3:45	Keynote 10	Mick van der Wegen (UNESCO-IHE & Deltares)	Estuarine morphodynamics : better be certain about uncertainty
4:15	Poster Session #2		
6:15	<i>Busses depart to hotel</i>		
7:00	<i>Banquet at Marriott</i>		

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**Day 3**

<b>May 22-Thurs</b>	<b>What</b>	<b>Speaker/facilitator</b>	<b>Topic</b>
8:30	<i>Buses depart from hotel</i>		
9:00	Keynote 11	Attila Lazar (Soton)	Coupling terrestrial and marine biophysical processes with livelihood dynamics for analysis of poverty alleviation in Bangladesh
9:30	Keynote 12	Tom Hsu (UDEL)	Understanding wave-driven fine sediment transport through 3D turbulence resolving simulations – implications to offshore delivery of fine sediment
10:00	Keynote 13 (student talk)	Mariela Perignon (CU)	Predicting the influence of floodplain vegetation on the geomorphic effects of large floods
10:15	<i>Break</i>		
10:30	Breakout Group 3.1		Discussion on Uncertainty
	Breakout Group 3.2		Discussion on Uncertainty
	Breakout Group 3.3		Discussion on Uncertainty
12:00	<i>Lunch</i>		
1:00	Keynote 14	Elowyn Yager (UI)	Predictions of bedload transport in vegetated channels: uncertainties and steps forward
1:30	Clinic 3.1	Courtney Harris (VIMS)	ROMS-Regional Ocean Modeling System
	Clinic 3.2	Gregory Tucker & Daniel Hobley (CIRES-CU)	Creative computing with Landlab: A flexible Python package for rapidly building and exploring 2D surface-dynamics models
	Clinic 3.3	Laura Swiler & Adam Stephens (SNL)	Dakota: A Toolkit for Sensitivity Analysis, Uncertainty Quantification, and Calibration
3:00	<i>Break</i>		
3:15	Clinics Cont'd		
4:30	Report from Working Groups		Report from working groups
5:30	Final remarks & departure	James Syvitski (CSMDS)	Conclusion of meeting

**CSDMS Executive & Steering Committee meetings (Invitation Only)**

<b>May 23-Friday</b>	<b>EXCOM &amp; SC Meetings</b>	<b>Facilitator</b>	
9:00	Executive Committee Meeting	James Syvitski	
11:00	Steering Committee Meeting	Patricia Wiberg	
13:00	<i>Lunch followed by departures</i>		