CSDMS Annual Meeting 2017: Modeling Coupled Earth and Human Systems - The Dynamic Duo
May 23-25, 2017
University of Colorado, Sustainability Energy and Environment Complex, 4001 Discovery Drive, C120
Boulder, Colorado 80309

***Pre-conference* May 22 (all day)**
1) **CSDMS Software Carpentry Workshop, SEEC N136 (Mariela Perignon & Mark Piper)**
2) **Essentials for HPCC model code, SEEC N129 (CU Research Computing)**

Tuesday, May 23, 2017

Time	Location	What	Presenter	Topic
8:00AM		Busses depart hotels		
8:15AM	Lobby	**Registration & coffee**		
9:00AM	C120	Welcome	Pat Weiberg UVA	Welcome
9:05AM	C120	CoMSES	Michael Barton ASU	CoMSES Net
9:20 AM	C120	CSDMS	Jai Syvitski & Greg Tucker, CSDMS	*CSDMS – Looking back and forward*
10:00AM	C120	**Plenary** Keynote	Marco Jansen, ASU	*Two Modeling Cultures*
10:30AM	C120	**Plenary** Student Talk1	Julia Moriarty, VIMS	*TBD*
10:45AM	Lobby	*Break*		
11:00AM	**Brkout** 1.1 – C120 **Brkout** 1.6 – N136		Mixed groups	The Dynamic Duo – Modeling Coupled Earth & Human Systems
	Brkout 1.2- N249			
	Brkout 1.3 – S125			
	Brkout 1.4 – N149			
	Brkout 1.5 – N129			
12:30PM		*Lunch*		
1:30PM	N124	Clinic 1.1	Irina Overeem & Mark Piper CSDMS IF,	*Bringing CSDMS Models into the Classroom*
	N129	Clinic 1.2	Mariela Perignon, CSDMS IF	*ANUGA – An open-source model of river flood morphodynamics (and other hydrological disasters)*
	N126	Clinic 1.3	Jean-Arthur Olive, Lamont-Doherty Earth Observatory	*Introduction to coupled geodynamics-surface process modeling with SiSteR*
	N128	Clinic 1.4	Tatiana Filatova, UTwente	*Spatial agent-based models: introducing individual interacting actors in environmental models*
3:30PM	Lobby	*Break*		
3:45PM	C120	**Plenary** Student Talk2	Zachary Flamig, OU	*TBD*
4:00PM	C120	**Plenary** Keynote	Scott Hagen , LSU	*Pathways at the coastal land margin to assess climate change impacts with transdisciplinary research outcomes*
4:30PM	Lobby	**Poster** Session 1		
6:30PM		*Busses depart to hotels*		

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Wednesday, May 24, 2017

Time	Location	What	Presenter	Topic
8:30AM		*Busses depart hotels*		
9:00AM	C120	**Plenary** Keynote	Michael Young, U Texas	*Improving soil models by connecting scientific disciplines*
9:30AM	C120	**Plenary** Keynote	Alison Duvall, U Washington	*Cascadia subduction zone earthquakes and landslides – How will the hillslopes handle the big one?*
10:00AM	C120	**Plenary** Keynote	Kim de Mutsert, George Mason U	*Modeling a coastal environment with human elements*
10:30AM	Lobby	*Break*		
10:45AM	N129	**Breakout** 2.1	Marine WG & Chesapeake FRG	Business Meeting
	C120	Breakout 2.2	Coastal WG	Business Meeting
	N136	Breakout 2.3	Critical Zone FRG	Business Meeting
	N149	Breakout 2.4	Geodynamics FRG	Business Meeting
	S125	Breakout 2.5	Hydrology FRG	Business Meeting
12:30PM		*Lunch*		
1:30PM	N128	**Clinic** 2.1	Irina Overeem[1] & Elchin Jafarov[2] & Kang Wang[1], 1)CSDMS IF, 2)LANL	*Modeling permafrost; a new software toolbox to explore frozen grounds*
	N124	Clinic 2.2	Nicole Gasparini, Tulane U	*Modeling Earth-Surface Dynamics with Landlab 1.0*
	N126	Clinic 2.3	Allen Lee, ASU	*Good enough practices for reproducible scientific computation*
	N129	Clinic 2.4	Raleigh Martin, UCLA	*The Sediment Experimentalist Network (SEN) Knowledge Base*
3:30PM	Lobby	*Break*		
3:45PM	Lobby	**Poster** Session 2		
5:45PM		*Busses depart for hotels*		
6:45PM		*Busses depart for banquet*		
7:00PM		**Banquet**		
9:30PM		*Busses depart to hotels*		

Awards Banquet (May 24)
1) **Program Director Award – CSDMS**
2) **Lifetime Achievement Award – TBD by votes of Group Chairs and Co-Chairs**
3) **Student – TBD by modeler competition committee**
4) **Poster – TBD by attendee votes**

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Thursday, May 25, 2017

Time	Location	What	Presenter	Topic
8:30AM		*Busses depart hotels*		
9:00AM	C120	**Plenary** Keynote	John Gilligan, Vanderbilt	*Connecting human and natural systems: the role of agent-based simulations*
9:30AM	C120	**Plenary** Keynote	Moira Zellner, U of Illinois Chicago	*Participatory complex systems modeling for environmental planning: opportunities and barriers to learning and policy innovation*
10:00AM	C120	**Plenary** Student Talk3	Harrison Gray, CU, Boulder	*TBD*
10:15AM	Lobby	***Break***		
10:30AM	C120	Clinic 3.1	Reed Maxwell, Colorado School of Mines	*Beyond Groundwater Modeling: Integrated Simulation of Watershed Systems using ParFlow*
	S125	Clinic 3.2	Kim de Mutsert, George Mason University	*Introduction to EcoPath with Ecosim*
	N136	Clinic 3.3	Mark Piper & Eric Hutton, CSDMS-IF	*BMI: Live!*
	N129	Clinic 3.4	Katherine Barnhart, CU Boulder	*Model sensitivity analysis and optimization with Dakota and Landlab*
12:30PM		***Lunch***		
1:30PM	C120	**Plenary** Keynote	David Gochis, UCAR	*Process linkages in the WRF-Hydro/NOAA National Water Model: different processes operating on different scales.*
2:00PM	C120	**Plenary** Keynote	Brian Walsh GFDRR & IIASA	*Integrated Assessment Models for Decision Making Under Uncertainty*
2:30PM	C120	**Plenary** Keynote	Robert Nicholls, Southampton U	*TBD*
3:00PM	Lobby	***Break***		
3:15PM	N128	**Breakout** 3.1	Terrestrial WG	Discussion on group activities
	N124	Breakout 3.2	Cyber. & Numerics WG	Discussion on group activities
	N126	Breakout 3.3	EKT WG	Discussion on group activities
	N129	Breakout 3.4	Ecosystem Dynamics & Carbonate/Biogenics FRGs	Discussion on group activities
	N136	Breakout 3.5	Human Dimensions FRG	Discussion on group activities
5:00PM	C120	Final Remarks	Greg Tucker	
5:15PM		*Busses Depart*		

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***Post-conference* May 26 (9:00AM – 3:00PM)
      BMIathon Workshop, SEEC N149 (E Hutton, M Piper) –limited to 12

Friday, May 26- Meetings by invitation only

9:00-11:00AM	Location: Sustainability, Energy & Environment Center (SEEC) Room N136 4001 Discovery Dr. Boulder, CO 80309	EC/SC Meetings
11:00AM-12:00PM	Executive Committee N136 Steering Committee N129	Lunch