CSDMS 2018: Geoprocesses, Geohazards
May 22-24, 2018
University of Colorado, Sustainability Energy and Environment Complex, 4001 Discovery Drive, C120
Boulder, Colorado 80309

******Pre-conference* May 21 (all day)**

1) **CSDMS Software Carpentry Workshop, SEEC N136 (Mariela Perignon & Mark Piper)**
2) **Essentials for HPCC model code, SEEC N225 (CU Research Computing)**

Tuesday, May 22, 2018

Time	Location	What	Presenter	Topic
8:00AM		Busses depart hotel		
8:15AM	Lobby	**Registration & coffee**		
9:00AM	C120	Welcome	Brad Murray, Duke U	Welcome
9:05 AM	C120	CSDMS	Greg Tucker, CSDMS	Introduction to the Natural Hazards Modeling WS
9:30 AM	C120	**Plenary** Keynote	Susan Cutter, U South Carolina	*Disaster vulnerability and resilience*
10:00AM	C120	**Plenary** Keynote	Clint Dawson (or other NHERI rep), U Texas	*Cyberinfrastructure for natural hazards modeling and engineering*
10:30AM	C120	**Plenary** Student Talk1		*TBD*
10:45AM	Lobby	***Break***		
11:00AM	**Brkout** 1.1 – C120			
	Brkout 1.2- S225			
	Brkout 1.3 – S372A			
	Brkout 1.4 – S372B			
	Brkout 1.5 – N136			
12:30PM		***Lunch***		
1:30PM	N129	Clinic 1.1	Guy Schumann, Remote Sensing Solutions, CA	*LISFLOOD-FP Clinic: Introduction to Flood Hazard Modeling*
	N128	Clinic 1.2	Mark Piper, CSDMS IF	*BMI, Live!*
	N126	Clinic 1.3	Sediment Experimentalist Network	*Sediment Experimentalist Network (SEN) – Wrangling your research data*
	S225	Clinic 1.4	Doug Edmonds, Indiana University	*Google Earth Engine*
3:30PM	Lobby	***Break***		
3:45PM	C120	**Plenary** Student Talk2	TBD	*TBD*
4:00PM	C120	**Plenary** Keynote	David George, USGS	*Title: Modeling earth-surface flow hazards with D-Claw*
4:30PM	C120	**Poster** Session 1		
6:30PM		*Busses depart to hotel*		

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Wednesday, May 23, 2018

Time	Location	What	Presenter	Topic
8:30AM		*Busses depart hotel*		
9:00AM	C120	**Plenary** Keynote	Mike Willis, UC, Boulder	*Geodetic data for understanding earth-surface processes and related hazards*
9:30AM	C120	**Plenary** Keynote	Phaedra Upton, NZ Geoscience	*Earthquake-induced landslides & landscape dynamics: The 2016 Kaikōura Earthquake and response*
10:00AM	C120	**Plenary** Keynote	Chris Jenkins, CU, Boulder	*BOEM Project*
10:30AM	Lobby	***Break***		
10:45AM	S225	**Breakout** 2.1		
	C120	Breakout 2.2		
	N136	Breakout 2.3		
	S372A	Breakout 2.4		
	S372B	Breakout 2.5		
12:30PM		***Lunch***		
1:30PM	N126	**Clinic** 2.1	Irina Overeem, CSDMS IF	*Permafrost Toolbox*
	N136	Clinic 2.2	Nicole Gasparini, Tulane U	*Landlab with Hydroshare*
	N128	Clinic 2.3	Chris Sherwood, USGS	*How to make accurate digital elevation models using imagery from drones (or even walking around)*
	S125	Clinic 2.4	Cam Wobus	*Physical and Socio-Economic Data for Natural Disasters*
3:30PM	Lobby	***Break***		
3:45PM	C120	**Poster** Session 2		
5:45PM		*Busses depart for hotel*		
6:45PM		*Busses depart for banquet*		
7:00PM		**Banquet**		
9:30PM		*Busses depart to hotel*		

Awards Banquet (May 23) – at the (TBD)

1) **Syvitski Student Modeler Award - TBD**
2) **Poster – TBD by attendee votes**

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Thursday, May 24, 2018

Time	Location	What	Presenter	Topic
8:30AM		*Busses depart hotel*		
9:00AM	C120	**Plenary** Keynote	Jennifer Suckale, Stanford U	*Modeling complex multi-phase fluid flows for hazard analysis*
9:30AM	C120	**Plenary** Keynote	Robert Weiss, Virginia Tech	*Tsunami hazard assessment*
10:00AM	C120	**Plenary** Keynote	Paul Bates, U Bristol, UK	*Modeling flood risk in the continental US*
10:15AM	Lobby	***Break***		
10:30AM	S225	Clinic 3.1	Steve Roberts, Australian National U & Mariela Perignon, UC Boulder	*ANUGA*
	N136	Clinic 3.2	Katy Barnhart, UC, Boulder	*Model sensitivity analysis and optimization with Dakota and Landlab*
	S372A	Clinic 3.3	Ethan Gutmann, NCAR	*Making Use of Climate Model Output: Downscaling for Regional Applications*
	S372B	Clinic 3.4	EarthLab, UC, Boulder	*TBD*
12:30PM		***Lunch***		
1:30PM	C120	**Plenary** Keynote	Joannes Westerink	*Storm surge model ADCIRC for risk assessment*
2:00PM	C120	**Plenary** Keynote	Joel Johnson	*Using tsunami sediment transport experiments to improve paleohydraulic inverse models*
2:30PM	C120	**Plenary** Keynote	Terry Idol	*TBD*
3:00PM	Lobby	***Break***		
3:15PM	S125	**Breakout** 3.1		
	N136	Breakout 3.2		
	N126	Breakout 3.3		
	N129	Breakout 3.4		
	C120	Breakout 3.5		
	S225	Breakout 3.6		
	N128	Breakout 3.7		
5:00PM	C120	Final Remarks	Greg Tucker	
5:15PM		*Busses Depart*		

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****Post-conference* May 25 (9:00AM – 3:00PM)
BMIathon Workshop, SEEC N149 (Eric Hutton, Mark Piper) –limited to 12

Friday, May 25- Meetings by invitation only

9:00-11:00AM	Location: Sustainability, Energy & Environment Center (SEEC) Room N136 4001 Discovery Dr. Boulder, CO 80309 Executive Committee S228	Executive Committee Meeting
11:00AM		Lunch is available for Executive and Steering Committees
11:00AM – 1:00PM		Steering Committee Meeting