CSDMS 2019 Annual Meeting: *CSDMS 3.0 – Bridging Boundaries*
May 21-23, 2019
University of Colorado, Sustainability Energy and Environment Complex, 4001 Discovery Drive, C120
Boulder, Colorado 80309

******Pre-conference* May 20 (all day)**
1) **CSDMS Software Carpentry Workshop, 9:00AM, SEEL 303 (Mark Piper)** Breakfast will be served starting at 8:30AM
2) **Essentials for HPCC model code, 9:00AM, C120A/B (CU Research Computing)** Breakfast will be served starting at 8:30AM
3) **Jef Caers 9:00AM, SEEC S225 (Uncertainty Quantification)** Breakfast will be served starting at 8:30AM

Please note! Room Locations are not final.

Tuesday, May 21, 2019

Time	Location	What	Presenter	Topic
8:00 & 8:30AM		*Bus departs to SEEC Venue*		
8:15AM	Lobby	**Registration & Breakfast**		
9:00AM	C120	Welcome	Brad Murray, Duke U	Welcome
9:05 AM	C120	CSDMS	Greg Tucker, CSDMS, CU, Boulder	CSDMS 3.0 Updates
9:30 AM	C120	**Plenary** Keynote	Susanne Buiter, Norway GS/CIG	*How Extensional Tectonics and Surface Processes Interact to Shape Continental Plate Boundaries*
10:00AM	C120	**Plenary** Keynote	Evan Goldstein, U Texas, Austin	*Machine Learning and Coastal Morphodynamics*
10:30AM	C120	**Plenary** Keynote	Lauren Hay, USGS	*The National Hydrologic Model: Coordinated, Comprehensive and Consistent Hydrologic Modeling at Multiple Scales for the Conterminous United States*
11:00AM	Lobby	*Break*		
11:15AM	C120	Breakout 1.1	TBD	
	S225	Breakout 1.2	TBD	
	SEEL 303	Breakout 1.3	TBD	
	N149	Breakout 1.4	TBD	
	TBD	Breakout 1.5	TBD	
12:30PM		*Lunch*		
1:30PM	SEEL 303	Clinic 1.1	Bert Jagers, Deltares	*Morphological Modelling using Delft3D Flexible Mesh*
	S225	Clinic 1.2	Mark Piper, CU, Boulder	*BMI Live!*
	C120	Clinic 1.3	Joe Hamman, UCAR	*Pangeo: Scalable Geoscience Tools in Python –Xarray, Dask, Jupyter*
	N149	Clinic 1.4	Andrew Moodie, Rice U	*Developing and Teaching Interactive Sedimentology and Stratigraphy Computer Activities*
3:30PM	Lobby	*Break*		
3:45PM	C120	**Plenary** Panel Discussion	TBD	*The Machine Learning Landscape (Panel & Audience)*
4:15PM	C120	**Plenary Demo**	Eric Hutton, CU, Boulder	*The CSDMS Python Modeling Tool (PyMT) Demo*
4:30PM	C120	**Plenary Demo**	Jed Brown, CU, Boulder	*JOSS: Journal of Open Source Software*
4:45PM	C120	**Poster** Session 1		
6:30PM		*Bus departs to hotel*		

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Wednesday, May 22, 2019

Time	Location	What	Presenter	Topic
8:00 & 8:30AM		*Bus departs to SEEC Venue*		
9:00AM	C120	**Plenary** Keynote	Derek Robinson, U Waterloo	*Coupling Natural-Human Systems at the Decision-making Scale*
9:30AM	C120	**Plenary Student Talk**	Jan Nitzbon, Alfred Wegner Inst	*Modeling the Degradation of Ice-Wedges in Polygonal Tundra*
10:00AM	C120	**Plenary** Keynote	Alison Anders, U Illinois, Urbana	*Follow the Water: Post-glacial Landscape Evolution in the Central Lowlands*
10:30AM	Lobby	*Break*		
10:45AM	C120	**Breakout** 2.1	TBD	
	SEEL 303	Breakout 2.2	TBD	
	S225	Breakout 2.3	TBD	
	N149	Breakout 2.4	TBD	
	TBD	Breakout 2.5	TBD	
12:30PM		*Lunch*		
1:30PM	C120	**Clinic** 2.1	Eric Hutton, CU, Boulder	*The CSDMS Python Modeling Tool (PyMT)*
	SEEL 303	Clinic 2.2	Tony Castronova, CUAHSI	*Hydroshare/Data*
	S225	Clinic 2.3	Jason Fleming, Seahorse Coastal Consulting	*ADCIRC*
	TBD	Clinic 2.4	Katy Barnhart, CU, Boulder	*Model Calibration with Dakota*
3:30PM	Lobby	*Break*		
3:45PM	C120	**Poster** Session 2		
5:45PM		*Bus departs to hotel*		
6:45PM		*Bus departs for banquet*		
7:00PM		**Banquet, The St. Julien Hotel, 900 Walnut St, Boulder, CO**		
9:00PM		*Bus departs to hotel*		

Awards Banquet (May 22) – 7PM at The St. Julien Hotel, 900 Walnut St, Boulder, CO 80302

1) **Syvitski Student Modeler Award Announcement**
2) **Poster Award – TBD by attendee votes**
3) **Lifetime Achievement Award**

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Thursday, May 23, 2019

Time	Location	What	Presenter	Topic
8:00 & 8:30AM		*Bus depart to SEEC Venue*		
9:00AM	C120	**Plenary** Keynote	Zoltan Sylvester, U Texas, Austin	*meanderpy: A Simple Model of Meandering Sheds Light on Channel Kinematics and Autogenic Counter Point Bars*
9:30AM	C120	**Plenary** Keynote	Katherine Ratliff, US EPA	*Exploring Delta Morphodynamics using the CSDMS BMI to Couple Fluvial and Coastal Processes*
10:00AM	C120	**Plenary** Student Talk 3	Jingtao Lai, U Illinois, Urbana	*Fluvial Network Evolution on Post-Glacial Landscapes using Landlab*
10:15AM	Lobby	*Break*		
10:30AM		Clinic 3.1	Yang Yang, Memphis U	*An Introduction to CUDA-enabled DES3D*
	S225	Clinic 3.2	Daniel Buscombe, Northern Arizona U	*Landcover and Landform Classification using Deep Neural Networks*
	SEEL 303	Clinic 3.3	Nate Lyons, Tulane U	*Model Sensitivity Analysis using SALib*
	C120	Clinic 3.4	Leslie Hsu, USGS	*Making your Models and Data FAIR – Findable, Accessible, Interoperable and Reusable*
12:30PM		*Lunch*		
1:30PM	C120	**Plenary** Keynote	Mike Steckler, LDEO, Columbia U	*SEQUENCE Stratigraphic Modeling in Landlab*
2:00PM	C120	**Plenary** Keynote	Boyana Norris, U Oregon	*Enabling Technologies for HP Simulations*
2:30PM	Lobby	*Break*		
2:45PM		**Breakout** 3.1	TBD	TBD
		Breakout 3.2	TBD	
		Breakout 3.3	TBD	
		Breakout 3.4	TBD	
		Breakout 3.5	TBD	
		Breakout 3.6	TBD	
4:00PM	C120	**Plenary** Discussion	Diversity Panel Discussion	*Diversity in the GeoSciences – Opportunities and Challenges*
4:45PM	C120	Final Remarks	Greg Tucker	*See you next year!*
5:00PM		*Bus departs to hotel*		

Friday, May 24- 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