

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

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Wednesday, May 22, 2019

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

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

- 1) Syvitski Student Modeler Award Announcement**

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2) Poster Award – TBD by attendee votes

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Thursday, May 23, 2019

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

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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 Meeting
11:00AM		Lunch is available for Executive and Steering Committees
11:00AM – 1:00PM		Steering Committee Meeting