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, SEEC S225 (Mark Piper) Breakfast will be served starting at 8:30AM
- 2) Jef Caers 9:00AM, SEEL 303 (Uncertainty Quantification) Breakfast will be served starting at 8:30AM

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
				How Extensional Tectonics and Surface Processes Interact to
9:30 AM	C120	Plenary Keynote	Susanne Buiter, Norway GS/CIG	Shape Continental Plate Boundaries
10:00AM	C120	Plenary Keynote	Evan Goldstein, UNC, Greensboro	Machine Learning and Coastal Morphodynamics
				The National Hydrologic Model: Coordinated, Comprehensive and
			Lauren Hay, USGS – CUAHSI	Consistent Hydrologic Modeling at Multiple Scales for the
10:30AM	C120	Plenary Keynote	sponsored speaker	Conterminous United States
11:00AM	Lobby	Break		
11:15AM	C120	Breakout 1.1	Terrestrial WG & Geodynamics FRG	
	S225	Breakout 1.2	Human Dimensions FRG	
	SEEL 303	Breakout 1.3	Hydrology FRG, Critical Zone FRG	
	N224	Breakout 1.4	Marine WG, Cyber WG, EKT WG	
	S372A/B	Breakout 1.5	Coastal WG, Ecosystem Dyn FRG, Carb & Biogenics FRG, Chesapeake FRG	
12:30PM	Lunch			
1:30PM	SEEL 303	Clinic 1.1	Bert Jagers, Deltares	Morphological Modelling using Delft3D Flexible Mesh
	N149	Clinic 1.2	Mark Piper, CU, Boulder	BMI Live!
				Pangeo: Scalable Geoscience Tools in Python –Xarray, Dask, and
	N124	Clinic 1.3	Joe Hamman, UCAR	Jupyter
	S225			Developing and Teaching Interactive Sedimentology and
		Clinic 1.4	Andrew Moodie, Rice U	Stratigraphy Computer Activities
3:30PM	Lobby	Break		
			Chris Jenkins, CU, Boulder and	
3:45PM	C120	Plenary Panel Discussion	AI/ML Members	The Machine Learning Landscape (Panel & Audience)
				The CSDMS Python Modeling Tool (PyMT) Demo
4:15PM	C120	Plenary Demo	Eric Hutton, CU, Boulder	
				JOSS: Journal of Open Source Software
4:30PM	C120	Plenary Demo	Jed Brown, CU, Boulder	
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	Location	Bus departs to SEEC Venue	Tresenter	Торіс
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-rich Permafrost Landscapes
7.50TH-1	GIZO	Trendry Student Turk	Jan Wezbon, Imred Wegner Hist	Follow the Water: Post-glacial Landscape Evolution in the Central
10:00AM	C120	Plenary Keynote	Alison Anders, U Illinois, Urbana	Lowlands
10:30AM	Lobby	Break		
10:45AM	C120	Breakout 2.1	Chris Sherwood	Life on the edge: coastlines, sediment, ecosystems, and people
10:43AM	SEEL 303	Breakout 2.2	Kim deMutsert, Jill Marshall	Biomes, water, and sediment: interaction of life and morphology
	S225			Subduction zones: mountains from submarine to subaerial
		Breakout 2.3	Mark Behn, Nicole Gasparini	
	N149	Breakout 2.4	Mike Steckler, Courtney Harris	Into the abyss: modeling deep marine processes
	6050 A /D	D 1 .05	A 1 747' 1 . A1 ' 17 .	Source to sink: modeling signals from landscapes to stratigraphy,
	S372A/B	Breakout 2.5	Andy Wickert, Abigail Langston	climate interactions
	N249	Breakout 2.6	Guillermo Auad	Tracers and pollutants across the earth's surface
	N224	Breakout 2.7	Irina Overeem, Kelly Kochanski	Melting permafrost: water, carbon, and landscape evolution
12:30PM		Lunch		
1:30PM	N124	Clinic 2.1	Eric Hutton, CU, Boulder	The CSDMS Python Modeling Tool (PyMT)
	SEEL 303	Clinic 2.2	Danielle Tijerina, CUAHSI	CUAHSI Services for Hydrologic Modeling and Data
			Jason Fleming, Seahorse Coastal	
	N224	Clinic 2.3	Consulting	ADCIRC
	S225	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		
		Banquet, The St. Julien		
		Hotel, 900 Walnut St,		
7:00PM		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
40.00414	2420	N C. I I I I I I		Modeled Postglacial Landscape Evolution at the Southern Margin of the Laurentide Ice Sheet: Hydrological Connection of Uplands
10:00AM	C120	Plenary Student Talk 3	Jingtao Lai, U Illinois, Urbana	Controls the Pace and Style of Fluvial Network Expansion
10:15AM	Lobby	Break		4.7. 1.4. 2004. 11.10.7220
10:30AM	N224	Clinic 3.1	Yang Yang, Memphis U	An Introduction to CUDA-enabled DES3D
	S372A/B	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
	S225	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	Understanding and Improving the Performance of Scientific Software and its Humans
2:30PM	Lobby	Break		
2:45PM	C120	Breakout 3.1	Bert Jagers, Mark Piper	Why BMI? The awesome power of interfaces
	S225	Breakout 3.2	Katy Barnhart	Model inter-comparison and uncertainty
	SEEL 303	Breakout 3.3	Derek Robinson, Moira Zellner	Coupled modeling of human/natural systems, interactive modeling for decisioneers
	N149	Breakout 3.4	Joe Hamman, Jed Brown	Cool tools and bothersome bottlenecks
	N224	Breakout 3.5	Sagy Cohen	Incorporating geospatial capabilities in surface dynamics models
	N249	Breakout 3.6	Efi Foufoula-Georgiou	Network-based models
	N124	Breakout 3.7	Paola Passalacqua, Chris Crosby	Opportunities in high-res topographic data
			Carolyn Brinkworth, UCAR Aisha Morris, NSF; Anne Gold,	
4:00PM	C120	Plenary Panel Discussion	CU; Kadidia Thiero, UCAR	Diversity in the GeoSciences – Opportunities and Challenges
4:45PM	C120	Final Remarks	Greg Tucker	See you next year!
5:00PM		Bus departs to hotel		

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Friday, May 24- Meetings by invitation only

	Location: Sustainability,	
8:30-11:00AM	Energy & Environment	Executive Committee Meeting
11:00AM	Center (SEEC) Room N136 4001 Discovery Dr. Boulder, CO 80309	Lunch is available for Executive and Steering Committees
11:00AM - 1:00PM	Executive Committee S228	Steering Committee Meeting