<u>Tuesday, May 14, 2024</u>

Time	Session	Presenter	Торіс
9:00AM	Welcome	Lora Billings, Dean, College of Science and Mathematics, MSU	Welcome
9:05AM	Introduction	Paola Passalacqua, U Texas, Austin	Thematic Introduction
9:15AM	Community Updates	Greg Tucker, CSDMS Exec. Director	State of CSDMS
9:35 AM	Plenary Keynote (Rm)	Robert Kopp, Rutgers U	Co-producing advances in natural/human coastal climate systems research and coastal climate adaptation services: the Megalopolitan Coastal Transformation Hub (MACH)
9:55AM	Plenary Keynote (Rm)	Tamara Pico, UCSC	Rivers and Glacial Isostatic Adjustment
10:15AM	Plenary Keynote (Rm)	Chaopeng Shen, Penn State U	Differentiable Modeling to Unify Neural Networks and Process-based Modeling for Global Geosciences under Global Change
10:35AM	Break		
11:00AM - 12:30PM	Breakout 1		CSDMS meet and greet - get to know your colleagues
12:30PM - 1:30PM	Lunch		
1:30PM - 3:30PM	Clinic 1.1 (Rm 2002)	Jacky Austermann, Columbia U, LDEO	Solving the Sea Level Equation: Earth's Response to Ice and Ocean Load Changes
	Clinic 1.2 (Rm 2004)	Todd Swannack & Candice Piercy, USACE	<i>Vegetation as Ecogeomorphic Features: Incorporating Vegetation into Earth Surface Models</i>
	Clinic 1.3 (Rm 2006)	Kelsea Best, Ohio State U	Introduction to Agent-based Modeling for Socio-environmental Systems
	Clinic 1.4 (Rm 2008)	Allen Lee, Arizona State U & Mark Piper, CSDMS IF	The Last FAIR Clinic You'll Ever Need
	Clinic 1.5 (Rm 1020)	Caitlin Haedrich, North Carolina State U	Coastal Evolution Analysis and Inundation Modeling with GRASS GIS
3:30PM	Break		
3:45PM - 4:00PM	E-Pubs Lightning		
4:00PM - 6:00PM	Poster Session A		

Time	Session	Presenter	Topic	
9:00AM	Welcome	Moderator - Albert Kettner, CSDMS IF	Welcome	
9:05 AM	Plenary Keynote	Julia Hopkins, Northeastern U	Adapting Urban Coastlines to Climate Change: Using Models to Understand the Potential and Pitfalls of Nature-based Solutions	
9:25AM	Plenary Keynote	Bhavna Arora, Lawrence Berkeley National Lab	Modeling Approaches for Providing Water and Energy Solutions to the World	
9:45AM	Plenary Keynote	Amilcare Porporato, Princeton U	On the Practical Importance of Theory in Landscape Evolution Models	
10:05AM	Plenary Student Keynote	Sebrian Beselly, IHE/TU Delft	Simulating Mangrove-Mudflat Dynamics with a Hybrid Eco-Hydro-Morphodynamic Model	
10:25AM	Plenary	TBD	TBD	
10:45AM	Break			
11:10AM - 12:30PM	Breakout 1 (Rm)	Group Meetings	TBD	
	Breakout 2 (Rm)	Group Meetings	TBD	
	Breakout 3 (Rm)	Group Meetings	TBD	
	Breakout 4 (Rm)	Group Meetings	TBD	
12:30PM - 1:30PM	Lunch			
1:30PM - 3:30PM	Clinic 2.1 (Rm 2002)	Moira Zellner, Northeastern U	Fora.ai: A Participatory Modeling Platform to Reshape How we Collaborate for Climate and Social Impact	
	Clinic 2.2 (Rm 2004)	Samapriya Roy, MAXAR	Introduction & Building with Google Earth Engine: Batteries Included	
	Clinic 2.3 (Rm 1020)	Katherine Anarde, North Carolina State U & Ian Reeves, USGS	Parameterizing Human Dynamics in Geomorphic Models: Learning from Coastal Barrier Evolution Models	
	Clinic 2.4 (Rm 2006)	Eyal Marder, Indiana U	<i>Coupling Biological and Surface Processes in Landscape Evolution</i> <i>Models</i>	
3:30PM	Break			
3:45PM - 6:00PM	Poster Session B			

<u>Wednesday, May 15, 2024</u>

Banquet 6:00PM to 8:30PM - MSU Conference Center

<u>Thursday, May 16, 2024</u>

Time	Session	Presenter	Торіс
0.00414	Welcome/2023 Poster Award Winner		
9:00AM	Announcement	Moderator - Irina Overeem, CSDMS IF	Welcome and Awards
9:05 AM	Plenary Keynote	Neil Ganju, USGS	Getting Meaning from Models: Lessons from Salt Marsh Geomorphic Modeling
9:25AM	Plenary Keynote	Kyle Mandli, Flatiron Institute at the Center for Computational Mathematics	Measuring the Change in Coastal Flooding Risk from a Multi-hazard Perspective
9:45AM	Plenary Keynote	Matt Ross, Colorado State U	<i>Tidy and Tedious: Empowering Large-scale Watershed Science</i> <i>Through Inclusive, Welcoming Data Harmonization</i>
10:05AM	Plenary Student Keynote	Miles Reed, U Wisconsin, Madison	TBD
10:25AM	Break		
11:00AM - 12:30PM	Breakout 1 (Rm)	TBD	TBD
	Breakout 2 (Rm)	Greg Tucker, CSDMS IF	Landlab Cafe (Landlab updates)
	Breakout 3 (Rm)	Cyber WG Chair	Cyber WG Meeting/Evolving Technologies Discussion
	Breakout 4 (Rm)	Eric Hutton and Mark Piper, CSDMS IF, Allen Lee, Arizona State U	Research Software Engineering as a Service
12:30PM	Lunch		
1:30PM - 3:30PM	Clinic 3.1 (Rm 2002)	Kerry Callaghan, U Illinois, Chicago	Using Fill-Spill-Merge to Understand and Analyze Landscape Depressions
	Clinic 3.2 (Rm 2004)	Chang Liao and Matt Cooper, Pacific Northwest National Lab	Mesh Independent Flow Directions Modeling Using HexWatershed 3.0
	Clinic 3.3 (Rm 2006)	Randy LeVeque, U Washington	New Features and Basic Usage of the GeoClaw Software for Depth-averaged Flow
	Clinic 3.4 (Rm 2008)	Richard Barnes, UC Berkeley	A Hands-on Workshop on GPU-based Landscape Evolution Modeling
3:30PM	Break		
3:45PM - 4:45PM	Lightning Talks	CSDMS Summer Visiting Scholars	Research progress updates
4:45PM - 5:00PM	Closing Remarks and Adjourn	Greg Tucker, Executive Director, CSDMS IF	Farewell and information about 2025 Annual Meeting in Boulder, CO

Friday, May 17- meeting by invitation

9:00AM-11:00AM	Location: CELS 110	CSDMS Executive Committee Meeting	(by invitation only - lunch will be served)
12:00PM - 2:00PM	Location: CELS 110	CSDMS Steering Committee Meeting	(by invitation only - lunch will be served)