CSDMS 2021 Annual Meeting: *Changing Landscapes and Seascapes: Modeling for Discovery, Decision-making and Communication"*
May 18-20, 2021

****All times provided in Mountain Daylight Time

Monday, May 17, 2021

Time	What	Presenter	Topic
3:00PM	**Opening Town Hall**	Brad Murray, Duke U & Greg Tucker, CSDMS Exec. Director	*CSDMS Updates and Community's Future Needs*
4:00 PM	**Awards Ceremony**		*Lifetime Achievement and Syvitski Student Modeler Awards*
5:00PM	**Social Hour**		

Tuesday, May 18, 2021

Time	What	Presenter	Topic
9:00AM	Welcome	Greg Tucker, CSDMS Exec. Director	Welcome and Introduction
9:05 AM	**Plenary** Keynote	Jacky Austermann, Lamont-Doherty Earth Observatory	*Integrating Numerical Models with Co-production to Understand Sea Level Change and Its Impact Around Greenland*
9:25AM	**Plenary** Keynote	Aleja Ortiz, Colby College	*Atolls & Ecogeomorphology: Investigating the Feedbacks Between Physical, Anthropogenic, and Ecological Processes under Changing Climates via Remote Sensing, Computational Modeling, and Fieldwork*
9:45AM	**Plenary** Keynote	Tristan Salles, University of Sydney	*A geomorphic perspective on Quaternary biogeographic connectivities across South East Asia*
10:05AM	**Plenary** Keynote	Allison Pfeiffer, Western Washington University	*Modeling Bed Material Abrasion at the Basin Scale: Why the Classic Approach Fails Us*
10:25AM	**Plenary** Keynote	Student Modeler Talk	*TBD*
10:45AM	*Break*		
11:00AM - 1:00PM	Clinic 1.1	Scott Peckham, University of Colorado, Boulder	*Component-based Hydrologic Modeling: Getting Started with the TopoFlow 3.6 Python Package*
	Clinic 1.2	Allen Lee, CoMSES Net and Mark Piper, CSDMS IF	*Git Good with FAIR Enough Practices for Scientific Software Development*
	Clinic 1.3	Doug Edmonds, University of Indiana and Sam Roy, Planet Labs	*An Introduction to using Google Earth Engine*
	Clinic 1.4	Nicole Gasparini, Tulane University	*Do the Work: Building a more Equitable Research Unit*
	Clinic 1.5	Chris Jenkins, University of Colorado, Boulder, AI/ML Initiative	*Training Datasets for Modeling with AI across the Deep-Ocean Seafloor*
1:00PM	*Break*		
1:30PM - 3:00PM	GroupMeeting/Posters	TBD	*TBD*
	GroupMeeting/Posters	TBD	*TBD*
	GroupMeeting/Posters	TBD	*TBD*
3:00PM	*Break*		
3:30PM - 5:30PM	*Posters Continued*		

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Wednesday, May 19, 2021

Time	What	Presenter	Topic
9:00AM	Welcome	TBD	Welcome and Introduction
9:05 AM	**Plenary** Keynote	Fred Ogden, NOAA-NWS Office of Water Prediction	*Next Generation Water Resources Modeling Framework: Opportunities for Community Involvement*
9:25AM	**Plenary** Keynote	Talea Mayo, Emory University	*Climate Change Impacts on Hurricane Storm Surge Risk*
9:45AM	**Plenary** Keynote	Rob Lempert, RAND Corp.	*Good Decisions Without Good Predictions: Decision Making Under Deep Uncertainty*
10:05AM	**Plenary** Keynote	Sondoss El Sawah, University of New South Wales, Canberra	*Eight Grand Challenges in Socio-environmental Systems Modelling*
10:25AM	*Break*		
11:00AM - 1:00PM	Clinic 2.1	Wei Wu, University of Southern Mississippi	*Introduction to R Programming and R Applications in Landscape Ecology*
	Clinic 2.2	Rebecca Batchelor, CIRES, CU, Boulder, Anne Gold, CU, Boulder, Diana Acero-Allard, GeoLatinas	*Inclusive Mentoring*
	Clinic 2.3	Moira Zellner, Northeastern University & Rob Lempert, RAND Corp.	*Decision Framing*
	Clinic 2.4	Tian Gan and Eric Hutton, CSDMS IF	*CSDMS@HydroShare: find, access, operate and couple data-model integration tools for reproducible research*
	Clinic 2.5	Benoit Bovy, GFZ/Independent Software Engineer	*Building Interactive Dashboards for Earth Surface Processes Modeling with Python and Jupyter*
1:00PM	*Break*		
1:30PM - 3:00PM	GroupMeeting/Posters	TBD	*TBD*
	GroupMeeting/Posters	TBD	*TBD*
	GroupMeeting/Posters	TBD	*TBD*
	GroupMeeting/Posters	TBD	*TBD*
	GroupMeeting/Posters	TBD	*TBD*
3:00PM	*Break*		
3:30PM - 5:30PM	*Posters Continued*		

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Thursday, May 20, 2021

Time	What	Presenter	Topic
8:00AM	Social/Coffee Hour		
9:00AM	Welcome	TBD	Welcome and Introduction
9:05 AM	**Plenary** Keynote	Fernando Perez, University of California, Berkeley	*Jupyter Technology*
9:25AM	**Plenary** Keynote	Student Modeler Talk	*(TBD)*
9:45AM	**Plenary** Keynote	Paola Passalacqua, The University of Texas, Austin	*Grid or Subgrid? Analysis of River systems under Change at the Intersection of Modeling and High Resolution Data Analysis*
10:05AM	**Plenary** Keynote	Fedor Baart, Deltares	*Models in Virtual Environments and Digital Twins*
10:25AM	**Plenary** Keynote	Student Modeler Talk	*(TBD)*
10:45AM	*Break*		
11:00AM - 1:00PM	Clinic 3.1	Benjamin Campforts and Greg Tucker, CSDMS, IF	*Looking under the Hood: Landscape Evolution Modeling with TerrainBento and Landlab*
	Clinic 3.2	Jon Schwenk, Los Alamos National Lab	*Exploring river and delta channel networks with RivGraph*
	Clinic 3.3	Fedor Baart, Deltares	*Digital Twins in Earth Sciences*
	Clinic 3.4	Chris Vernon, Pacific Northwest National Laboratory	*GCAM and Demeter: A Global, Integrated Human-Earth Systems Perspective to Modeling Land Projections*
	Clinic 3.5	Heidi Roop, University of Minnesota	*Communication & Engagement: Tips, Tricks, Traps and Opportunities*
1:00PM	*Break*		
1:30PM - 3:00PM	GroupMeeting/Posters	TBD	*TBD*
	GroupMeeting/Posters	TBD	*TBD*
	GroupMeeting/Posters	TBD	*TBD*
	GroupMeeting/Posters	TBD	*TBD*
	GroupMeeting/Posters	TBD	*TBD*
3:00PM	*Break*		
3:30PM - 5:30PM	*Posters Continued*		

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Friday, May 21 - Meetings Open to Community

9:00AM - 1:00PM	**Posters Continued**	
1:30PM - 3:30PM	**Science Jam**	More details soon!

Friday, May 21- Meetings by invitation only

9:00-11:00AM	Location: Via Zoom Link	Executive Committee Meeting	
11:30AM - 1:30PM	Location: Via Zoom Link	Steering Committee Meeting	