



CSDMS

community surface
dynamics modeling system

**CSDMS 2020 Virtual Annual Meeting: “CSDMS 2020 – Linking Ecosphere and Geosphere”
May 20-21, 2020**

Wednesday, May 20, 2020

| Time | Location | What | Presenter | Topic |
|-------------|--------------------------|--------------------------|--|---|
| 9:00AM | Register | Welcome | Brad Murray, Duke U | Welcome |
| 9:05 AM | Register | CSDMS | Greg Tucker, CSDMS, CU, Boulder | CSDMS 3.0 Updates |
| 9:30 AM | Register | Plenary Keynote | Pam Sullivan, Oregon State University | <i>Are Rate Changes in Biotic Processes Altering Subsurface Hydrologic Partitioning in the Anthropocene?</i> |
| 9:50AM | Register | Plenary Keynote | Michael Dietze, Boston University | <i>21st Century Science for 21st Century Environmental Decision Making: The Challenges and Opportunities of Near-Term Iterative Environmental Forecasting</i> |
| 10:10AM | Register | Plenary Keynote | Nathan Lyons, Tulane University | <i>Life in Landscape Evolution Models: Investigations of Climate and Tectonics as Drivers of Biological Evolution</i> |
| 10:30AM | Register | Plenary Keynote | Ian Reeves, University of North Carolina, Chapel Hill | <i>Impacts of Seagrass Dynamics on the coupled Long-Term Evolution of Barrier-Marsh-Bay Systems</i> |
| 10:50AM | Register | Plenary Keynote | Robert Ulanowicz, University of Florida | <i>Process Ecology: A Step Beyond Physics</i> |
| 11:10AM | | Break | | |
| 1:00PM | Register | Clinic 1.1 | John Swartz/Paola Passalacqua, University of Texas, Austin | <i>Exploring Surface Processes and Landscape Connectivity through High-resolution Topography: Integration of High Resolution Data in Numerical Modeling</i> |
| | Register | Clinic 1.2 | Dan Buscombe, Marda Science | <i>Landcover and Landform Classification using Deep Neural Networks Part 1 of 2</i> |
| | Register | Clinic 1.3 | CSDMS Workshop | <i>Part 1 of 2</i> |
| 3:00PM | | Break for the day | | |

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| Time | Location | What | Presenter | Topic |
|-------------|--------------------------|--------------------------|---|---|
| 9:00AM | | Welcome | Greg Tucker, CSDMS, CU, Boulder | Welcome |
| 9:10 AM | Register | Plenary Keynote | Suzanne Pierce, University of Texas, Austin | <i>Model Integration through Knowledge-Rich Data and Process Composition (MINT)</i> |
| 9:30AM | Register | Plenary Keynote | Gordon Bonan, University Corporation for Atmospheric Research | <i>Reinventing Nature: Environmental Stewardship in the Age of Earth System Models</i> |
| 9:50AM | Register | Plenary Keynote | Erkan Istanbuluoglu, University of Washington | <i>Ecosystem Processes and Landscape Evolution</i> |
| 10:10AM | Register | Plenary Keynote | Muriel Bruckner, Utrecht University | <i>Modelling the effects of dynamic saltmarsh and microphytobenthos growth on the large-scale morphology of estuaries</i> |
| 10:30AM | | Break | | |
| 1:00PM | Register | Clinic 2.1 | Kim De Mutsert, George Mason University | <i>Introduction to Ecopath with Ecosim</i> |
| | Register | Clinic 2.2 | Dan Buscombe, Marda Science | <i>Landcover and Landform Classification using Deep Neural Networks Part 2 of 2</i> |
| | Register | Clinic 2.3 | CSDMS Workshop | <i>Part 2 of 2</i> |
| 3:00PM | | Break for the day | | |

Friday, May 22- Meetings by invitation only

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|------------------|-------------------------|-----------------------------|
| 9:00-11:00AM | Location: Via Zoom Link | Executive Committee Meeting |
| 11:15AM - 1:00PM | Location: Via Zoom Link | Steering Committee Meeting |

Friday, May 22, 2020

GeoCLAW Hackathon, time TBD (open to all but registration required)