***\*\*\*Pre-conference* May 22 (all day)**

1. **CSDMS Software Carpentry Workshop (Mariela Perignon & Mark Piper)**
2. **Essentials for HPCC model code (CU Research Computing)**

**Tuesday, May 23, 2017**

|  |  |  |  |  |  |  |
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| **Time** | **Location** | | **What** | | **Presenter** | **Topic** |
| 8:00AM |  | | Busses depart hotels | |  |  |
| 8:15AM | Lobby | | **Registration & coffee** | |  |  |
| 9:00AM | C120 | | Welcome | | Pat Weiberg UVA | Welcome |
| 9:05AM | C120 | | CoMSES | | Michael Barton ASU | CoMSES Net |
| 9:20 AM | C120 | | CSDMS | | Jai Syvitski & Greg Tucker, CSDMS | *CSDMS – Looking back and forward* |
| 10:00AM | C120 | | **Plenary** Keynote | | Marco Jansen, ASU | *Two Modeling Cultures* |
| 10:30AM | | C120 | **Plenary** Student Talk1 | | TBD | *TBD* |
| 10:45AM | Lobby | | ***Break*** | |  |  |
| 11:00AM | **Brkout** 1.1 – C120 | | | **Brkout** 1.6 – N136 | Mixed groups | The Dynamic Duo – Modeling Coupled Earth & Human Systems |
|  | Brkout 1.2-C120AB | | |  |  |  |
|  | Brkout 1.3 – N124 | | |  |  |  |
|  | Brkout 1.4 – N126 | | |  |  |  |
|  | Brkout 1.5 – N129 | | |  |  |  |
| 12:30PM |  | | ***Lunch*** | |  |  |
|  |  | |  | |  |  |
| 1:30PM | N124 | | Clinic 1.1 | | Irina Overeem & Mark Piper  CSDMS IF, | *Bringing CSDMS Models into the Classroom* |
|  | N129 | | Clinic 1.2 | | Mariela Perignon, CSDMS IF | *ANUGA – An open-source model of river flood morphodynamics (and other hydrological disasters)* |
|  | N126 | | Clinic 1.3 | | Jean-Arthur Olive, Lamont-Doherty Earth Observatory | *Introduction to coupled geodynamics-surface process modeling with SiSteR* |
|  | C120 | | Clinic 1.4 | | Tatiana Filatova, UTwente | *Spatial agent-based models: introducing individual interacting actors in environmental models* |
| 3:30PM | Lobby | | ***Break*** | |  |  |
| 3:45PM | C120 | | **Plenary** Student Talk2 | | TBD | *TBD* |
| 4:00PM | C120 | | **Plenary** Keynote | | Scott Hagen , LSU | *Pathways at the coastal land margin to assess climate change impacts with transdisciplinary research outcomes* |
| 4:30PM | Lobby | | **Poster** Session 1 | |  |  |
| 6:30PM |  | | *Busses depart to hotels* | |  |  |
|  |  | |  | |  |  |

**Wednesday, May 24, 2017**

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| **Time** | **Location** | | **What** | **Presenter** | **Topic** |
| 8:30AM |  | | *Busses depart hotels* |  |  |
| 9:00AM | C120 | | **Plenary** Keynote | Michael Young, U Texas | *Improving soil models by connecting scientific disciplines* |
| 9:30AM | C120 | | **Plenary** Keynote | Alison Duvall, U Washington | *Cascadia subduction zone earthquakes and landslides – How will the hillslopes handle the big one?* |
| 10:00AM | C120 | **Plenary** Keynote | | Kim de Mutsert, George Mason U | *Modeling a coastal environment with human elements* |
| 10:30AM | Lobby | | ***Break*** |  |  |
| 10:45AM | N129 | | **Breakout** 2.1 | Marine WG & Chesapeake FRG | Business Meeting |
|  | N124 | | Breakout 2.2 | Coastal WG | Business Meeting |
|  | N126 | | Breakout 2.3 | Critical Zone FRG | Business Meeting |
|  | N136 | | Breakout 2.4 | Geodynamics FRG | Business Meeting |
|  | C120 | | Breakout 2.5 | Hydrology FRG | Business Meeting |
| 12:30PM |  | | ***Lunch*** |  |  |
|  |  | |  |  |  |
| 1:30PM | C120A/B | | **Clinic** 2.1 | Irina Overeem1 & Elchin Jafarov2 & Kang Wang1, 1)CSDMS IF, 2)LANL | *Modeling permafrost; a new software toolbox to explore frozen grounds* |
|  | N124 | | Clinic2.2 | Nicole Gasparini, Tulane U | *Modeling Earth-Surface Dynamics with Landlab 1.0* |
|  | N126 | | Clinic 2.3 | Allen Lee, ASU | *Reproducibility and open science* |
|  | N129 | | Clinic 2.4 | Raleigh Martin, UCLA | *The Sediment Experimentalist Network (SEN) Knowledge Base* |
| 3:30PM | Lobby | | ***Break*** |  |  |
| 3:45PM | Lobby | | **Poster** Session 2 |  |  |
|  |  | |  |  |  |
| 5:45PM |  | | *Busses depart for hotels* |  |  |
| 6:45PM |  | | *Busses depart for banquet* |  |  |
| 7:00PM |  | | **Banquet** | | |
| 9:30PM |  | | *Busses depart to hotels* |  |  |

**Awards Banquet (May 24)**

1. **Program Director Award – CSDMS**
2. **Lifetime Achievement Award – TBD by votes of Group Chairs and Co-Chairs**
3. **Student – TBD by modeler competition committee**
4. **Poster – TBD by attendee votes**

**Thursday, May 25, 2017**

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| **Time** | **Location** | **What** | **Presenter** | | **Topic** |
| 8:30AM |  | *Busses depart hotels* |  | |  |
| 9:00AM | C120 | **Plenary** Keynote | John Gilligan, Vanderbilt | | *Connecting human and natural systems: the role of agent-based simulations* |
| 9:30AM | C120 | **Plenary** Keynote | Moira Zellner, U of Illinois Chicago | | *Participatory complex systems modeling for environmental planning: opportunities and barriers to learning and policy innovation* |
| 10:00AM | C120 | **Plenary** Student Talk3 | TBD | | *TBD* |
| 10:15AM | Lobby | ***Break*** |  | |  |
| 10:30AM | C120 & C120A/B | Clinic 3.1 | Reed Maxwell, Colorado School of Mines | | *Beyond Groundwater Modeling: Integrated Simulation of Watershed*  *Systems using ParFlow* |
|  | N126 | Clinic 3.2 | Kim de Mutsert, George Mason University | | *Introduction to EcoPath with Ecosim* |
|  | N124 | Clinic 3.3 | Mark Piper & Eric Hutton, CSDMS-IF | | *BMI: Live!* |
|  | N129 | Clinic 3.4 | Katherine Barnhart, CU Boulder | | *Model sensitivity analysis and optimization with Dakota and Landlab* |
| 12:30PM |  | ***Lunch*** |  | |  |
|  |  |  |  | |  |
| 1:30PM | C120 | **Plenary** Keynote | David Gochis, UCAR | | *Process linkages in the WRF-Hydro/NOAA National Water Model: different processes operating on different scales.* |
| 2:00PM | C120 | **Plenary** Keynote | Brian Walsh GFDRR & IIASA | | *TBD* |
| 2:30PM | C120 | **Plenary** Keynote | Robert Nicholls, Southampton U | | *TBD* |
| 3:00PM | Lobby | ***Break*** |  | |  |
| 3:15PM | C120 | **Breakout** 3.1 | Terrestrial WG | | Discussion on group activities |
|  | N124 | Breakout 3.2 | Cyber. & Numerics WG | | Discussion on group activities |
|  | N126 | Breakout 3.3 | EKT WG | | Discussion on group activities |
|  | N129 | Breakout 3.4 | Ecosystem Dynamics & Carbonate FRGs | | Discussion on group activities |
|  | N136 | Breakout 3.5 | Human Dimensions FRG | | Discussion on group activities |
| 5:00PM | C120 | Final Remarks | Greg Tucker |  | |
| 5:15PM |  | *Busses Depart* |  |  | |

*\*\*\*Post-conference* May 26 (9:00AM – 3:00PM)

**BMIathon** Workshop (E Hutton, M Piper) –limited to 12

**Friday, May 26- Meetings by invitation only**

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| --- | --- | --- |
| 9:00-11:00AM | Location: Sustainability, Energy & Environment Center (SEEC) Room N136 4001 Discovery Dr. Boulder, CO 80309 | EC/SC Meetings |
| 11:00AM-12:00PM | Lunch |