

NSF/CSDMS/CIG Coupling Surface and Tectonic Processes Workshop
– Draft Agenda –
April 25–27, 2018

April 25 – Day 1 (Wednesday)

- 7:30** **Shuttle Leaves Millennium Hotel**
- 7:45–8:30** **Registration / Breakfast** (provided on site)
- 8:30–8:45** **Intro/ Welcome** (Mark Behn)
- 8:45–10:15** **Oral Session 1:** Big questions (convener: Greg Tucker)
- **Alison Duvall:** *From Earthquakes to Landscapes in the Cascadia Subduction Zone*
 - **Katy Barnhart:** *Testing landscape evolution models with natural and synthetic experiments*
- 10:15–10:30** **Break**
- 10:30–11:45** **Breakout Session 1:** Science Questions/Challenges
- 11:45–1:00** **Lunch** (box lunches provided)
- 1:00–1:30** **Summary of Breakout Session 1**
- 1:30–3:00** **Oral Session 2a:** Time & Length Scales (convener: Luc Lavier)
- **Jean-Arthur Olive:** *Feedbacks between brittle deformation and surface processes: Insights from extensional settings*
 - **Phaedra Upton:** *Coupling geodynamics and surface processes*
- 3:00–3:30** **Break**
- 3:30–4:15** **Oral Session 2b:** Time & Length Scales (convener: Luc Lavier)
- **Jean Braun:** *Parameterizing Surface Processes and their Response to Tectonic and Climatic Forcing*
- 4:15–6:00** **Posters** (snacks / beverages provided)
- 6:00** **Shuttle leaves for Millennium Hotel**
- 7:00** **Shuttle leaves Millennium Hotel for conference dinner**
- 7:30–9:30** **Conference Dinner** (St. Julien Hotel, Xanadu Ballroom, 900 Walnut St, Boulder)
- 9:30** **Shuttle returns to Millennium Hotel**

April 26 – Day 2 (Thursday)

- 7:45** Shuttle Leaves Millennium Hotel
- 8:30–8:30** Breakfast (provided on site)
- 8:30–10:00** **Oral Session 3: *Implementation challenges*** (convener: Thorsten Becker)
- **Brain Yanites:** *Reconciling landscape models with reality: a spectrum of success*
 - **Louis Moresi:** *Quagmire - Algorithms and a Toolbox for Parallel Surface Process Codes*
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- 10:00–10:30** Break
- 10:30–11:45** **Breakout Session 2:** Computational Challenges
- 11:45–1:00** Lunch (box lunches provided)
- 1:00–1:30** **Summary of Breakout Session 2**
- 1:30–3:00** **Oral Session 4:** Numerical Techniques / Computational Challenges (convener: Boris Kaus)
- **Mark Piper (CSDMS):** *Community cyberinfrastructure for modelling Earth-Surface processes*
 - **John Naliboff (CIG):** *Methods, challenges and uncertainty in modeling tectonic processes*
- 3:00–3:30** Break
- 3:30–4:45** **Round Table Discussion** (convener: Louise Kellogg)
- 4:45–5:00** Concluding remarks
- 5:30** Shuttle to Millennium Hotel
- Dinner on your own

April 27 – Day 3 (Friday)

- 9:00–12:00** Writing group convenes