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:** *TBD*

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**