AGENDA
CIG-EarthScope Institute for Lithospheric Modeling Workshop
February 3-4, 2014
ISTB4, Arizona State University
Tempe, Arizona

ISTB4: http://www.asu.edu/map/interactive/?campus=tempe&building=ISTB4

Monday, February 3
AM   *Breakfast* @Four Points by Sheraton
7:30   Meet in Four Points lobby to walk to ISTB4

8:00   Welcome
8:10   Keynote: Overview of Science Problems in Lithospheric Dynamics - *Brandon Schmandt*
8:50   Keynote: Overview of Modeling Problems in Lithospheric Dynamics - *Dave May*
9:30   Participant Introductions
10:00   Charge to breakout groups

10:15   Break / Posters (3rd Floor)

10:45   **Breakout Session I:** Important Science Drivers and Challenges
What are the important science questions and challenges in modelling lithospheric dynamics?
11:45   Report Back

12:15p Lunch /Posters (3rd Floor)

1:45   **CIG Perspectives -** *Louise Kellogg*
2:00   **Breakout Session II**: Current Capabilities
            What are the current tools and techniques available or in use?
3:00   Report Back

3:15   Break

3:30   **Breakout Session III**: Use Case Development & Benchmarks
            What parameters, rheology, boundary conditions, resolution, element type, etc are
            needed for each of the science questions?
5:00   Global seismicity demo in Marston Exploration Theater (1st Floor)
            Pre-dinner speaker - *Kelin Whipple*
            Group picture

6:00   Dinner (3rd Floor, Crater Carpet)

<u>Tuesday, February 4</u>

AM   Breakfast @Four Points by Sheraton

8:00   Summary of first day Breakouts I and II.
8:30   **Breakout Session IV:** Use Case Development & Benchmarks

10:00 Break

10:30 **Plenary Session I:** Challenges to high impact interdisciplinary science
          *What tools, techniques, methods, codes, capabilities, or other workflow elements are
          missing in BO-II to enable us to accomplish question B-IV?*

12:30p Lunch (3rd Floor)

1:30   **Perspectives on LTT Modeling** - *Louis Moresi*
2:00   **Plenary Session II:** Community Next Steps - *Ramon Arrowsmith & Louise Kellogg*
          *What steps does the community need to take to move forward and how it can use CIG,
          EarthScope, EarthCube, or other resources, to achieve those goals?*

3p   Adjourn