

***Structural Geology and Tectonics Forum
Madison, WI: May 20-22, 2010***

Schedule

Monday, May 17, 2010

1:00 PM Marquette Field Trip departs UW-Madison

Wednesday, May 19, 2010

8:30 AM – 5:00 PM Thermochronology Short Course

7:00-9:00 PM *Reception/Ice breaker (Weeks Hall or UW-Madison Union)*

Thursday, May 20, 2010

MORNING SESSION: Active Tectonics

Note Well: All posters are up all day long

Oral presentations:

8:00 AM Introductory remarks

8:15 AM Keynote: **Active deformation in California** George Hilley (Stanford)

9:15 AM Authors introduce posters (4 minutes each):

- a. Herbert
- b. Kirkpatrick
- c. Mookerjee
- d. Siddoway

Poster Session I:

9:30 AM Break to view/discuss posters/talk, *Coffee Break*

Oral presentations:

11:00 AM Talk: Lewis: Continental Fracture Zone Reactivation

11:20 AM Talk: Horsman: Deformation and rheology, coastal California

11:40 AM Group Discussion (Led by Hilley, Lewis, Horsman)

12:00 PM *Lunch*

AFTERNOON SESSION: Economic Geology/Microstructures

Oral presentations:

1:15 PM Keynote: **Structural Geology and Mineral Deposits** Steve Micklethwaite

2:15 PM Authors introduce posters (4 minutes each):

- a. Mariani
- b. Morgan
- c. O'Brien
- d. Riley
- e. Tewksbury
- f. Wells

Poster Session II:

2:30 PM Break to view/discuss posters/talk, *Coffee Break*

Poster Session II:

4:00 PM Talk: Blenkinsop: Stress and Strain

4:20 PM Open mike for people to talk about ideas. The breadth of the speakers is greater than the topic represented. People are invited to bring 1 slide to talk about an important idea or concept not covered in the meeting.

5:00 PM Group Discussion (Led by Micklethwaite, Tewksbury, Blenkinsop)
6:30 PM BANQUET (At the Pyle Center, 702 Langdon St., ~2 buildings E of Memorial Union Terrace, where the ice-breaker is being held.)

Friday, May 21, 2010

MORNING SESSION: Strain and regional-scale deformation

Note Well: All posters are up all day long

Oral presentations:

8:00 AM Keynote: **New Advances in Strain Modeling** Sarah Titus (Carleton)
9:00 AM Authors introduce posters (4 minutes each):
a. Anderson
b. Bauer
c. Czeck
d. Greene
e. Resor
f. Sen
g. Snell
h. Weil

Poster Session I:

9:30 AM Break to view/discuss posters/talk, *Coffee Break*

Oral presentations:

11:00 AM Talk: Bailey: Proterozoic L teconites
11:20 AM Talk: Giorgis et al.: Orthographic projection and transpression
11:40 AM Group Discussion (Led by Titus, Bailey, Giorgis)

12:00 PM *Lunch*

AFTERNOON SESSION: Structural Geology Education and Spatial Thinking

Oral presentations:

1:15 PM Keynote: **Structural Geology Education** Steve Reynolds (Arizona State)
2:00 PM Keynote: **Spatial Reasoning** Tim Shipley (Temple)

Poster Session II:

2:45 PM Break to view/discuss posters/talk, *Coffee Break*
a. Karabinos
b. Ormand

Poster Session II:

3:30 PM Talk: Karabinos: Stereonets
3:50 PM 4 minute "ideas": This will basically an open mike for people to talk about what works well and what doesn't work about structural geology education; Instructors (including TAs) should talk about innovations that they tried, are thinking about trying, etc..
4:40 PM Group Discussion (Led by Reynolds, Karabinos, Shipley)

EVENING: No group plan: Everyone on his/her own

Saturday, May 22, 2010

MORNING SESSION: Exhumation and Large-scale Tectonics

Note Well: All posters are up all day long

Oral presentations:

- 8:00 AM Keynote: **Exhumation:** Becky Flowers (Colorado)
9:00 AM Authors introduce posters (4 minutes each):
a. Avdeev
b. Bonamici
c. Hansen
d. Haq
e. Lamb
f. Verdel

Poster Session I:

- 9:30 AM Break to view/discuss posters/talk, *Coffee Break*

Oral presentations:

- 11:00 AM Talk: Toro: Arctic Geology
11:20 AM Talk: Rey: How Australia lost New Zealand
11:40 AM Group Discussion (Led by Flowers, Toro, Rey)

12:00 PM *Lunch*

AFTERNOON SESSION: Lower-crustal and mantle structures

Oral presentations:

- 1:15 PM Talk: Carr: Mid-crustal flow zones
1:35 PM Talk: Kruckenberg: Mantle strain gradients and melt channels
1:55 PM Talk: Reddy: Olivine microstructures & LPO

2:15 PM Break

2:45 PM Discussion: Future of a Structural Geology & Tectonics Forum.
Timing of meeting
Focus of the meeting
Participation in the meeting
Developing a more cohesive community
Tools for the future
3:30 PM **Wrap-up of meeting** Basil Tikoff and Laurel Goodwin
3:45 PM **End of formal meeting** Participants are encouraged to continue discussion or explore Madison!

Sunday, May 23, 2010

- 7:45 AM – 5:00 PM Field Trip to the Baraboo Hills & Mazatzal Orogen
8:00 AM – 5:00 PM Short Course on Teaching Displacement, Strain, and Stress
8:00 AM – 5:00 PM Short Course on Numerical Modeling (continues through May 27th)