

SCITS MEETING AGENDA
May 23 & 24, 2017
Hartley Conference Room
397 Panama Mall, Mitchell Building, 1st floor
Stanford, CA, 94305

Tuesday, May 23

8:00 Continental Breakfast

8:30-8:40 SCITS update – Mark Zoback/Claudia Baroni

Morning Session – Open Session with USGS Participants

8:40-9:00 One year hazard models – Andrea Llenos

9:00-9:20 Predicting seismicity rates and earthquake probability in OK – Cornelius
Langenbruch, Matt Weingarten, Mark Zoback

9:20-9:30 Discussion

9:30-9:50 Proximity to basement – Rob Skoumal

9:50-10:00 The rocks matter – Mark Zoback

10:00-10:20 Discussion

10:20-10:50 Break

10:50-11:10 Fluid level monitoring in the Arbuckle – Andrew Barbour

11:10-11:30 Incorporating uncertainty into hydrologic monitoring – Matt Weingarten, Rall
Walsh

11:30-12:00 Open discussion, including possible engagement of SCITS in OK hydrologic
studies

12:00-1:00 Lunch on Patio

Afternoon Session – SCITS Research

1:00-1:20 Magnitude/frequency analysis – Jeremy Maurer, Paul Segall

1:20-1:40 Update on Kansas seismicity studies – Fatimah Al Ismael, Bill Ellsworth

1:40-2:00 Precise location of OK hypocenters – Martin Schoenball, Bill Ellsworth

- 2:00-2:20 Optimization of injection scenarios with probabilistic hydrogeology and FSP –
Matt Weingarten, Steve Gorelick, Mark Zoback
- 2:20-2:50 Break**
- 2:50-3:10 Overview of traffic light systems for HF-induced seismicity – Mark Zoback
- 3:10-3:30 Hearing from affiliates – outstanding HF monitoring issues and research priorities
- 3:30-3:50 Detection methods/Update on Guy-Greenbrier – Clara Yoon, Greg
Beroza, Bill Ellsworth
- 3:50-4:10 Monitoring with DAS – Biondo Biondi
- 4:10-5:10 Open Discussion – Current and future opportunities
- 5:15-6:30 Reception (Hartley Patio)**

Wednesday, May 24

8:00 Continental Breakfast

Morning Session – Seismic Risk

- 8:30-8:50 GMP simulations – Sam Bydlon Eric Dunham
- 8:50-9:10 Regional risk – Ahbineet Gupta, Jack Baker
- 9:10-9:30 Stress Drop and strong ground motion – Bill Ellsworth, Nana Yoshimitsu, Greg
Beroza and Yihe Huang
- 9:30-9:50 GMP in Groningen – Zack Spica, Xin Liu, Greg Beroza
- 9:50-10:20 Break**
- 10:20-10:40 FSP applied to faults in the Permian Basin – Jens Lund Snee, Mark Zoback
- 10:40-11:30 Discussion – Opportunities and challenges associated with real-time monitoring
- 11:30-12:00 Priorities for Future Research
- 12:00 Adjourn**

Maps, Directions & Parking



[Click here](#) for driving directions and printable maps.

You can see building locations by searching for them on [Stanford's Google Map](#).

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