

NSF Workshop: Drilling, Sampling, and Imaging the Depths of the Critical Zone

Schedule

Thursday, October 24th

- 6:00 PM Icebreaker dinner (provided by workshop)
- 7:00 PM Bill Dietrich; 25 min + 5 min discussion
- 7:30 PM Sue Brantley; 25 min + 5 min discussion

Friday, October 25th

Session 1 – Drilling and sampling

- 7:00 AM Breakfast provided by workshop
- 8:00 AM Introduction by session conveners
- 8:15 AM Dennis Nielson – Drilling 101 (50 min + 10 min discussion)
- 9:15 AM Brian Clarke; 15 min + 5 min discussion
- 9:35 AM Heather Buss; 15 min + 5 min discussion
- 9:55 AM Poster introductions; brief 2-min, 1 slide overviews of poster content; 10 posters = 20 min
- 10:15 AM Coffee break followed by poster session
- 10:50 AM Oliver Bour; 15 min + 5 min discussion
- 11:10 AM Bob Graham; 15 min + 5 min discussion
- 11:30 AM Suzanne Anderson; 15 min + 5 min discussion
- 11:50 AM Plenary discussion leading to breakout groups
- 12:15 PM Break for lunch (provided by workshop)
- 1:00 PM – 3:00 PM Breakout Group Discussions
 - (a) Drilling technology: core recovery in weathered rock
 - (b) Drilling technology: core recovery for robust geobiology
 - (c) Designing a timely, insightful drilling study (site selection & experimental design)
- 3:00 PM Coffee break (posters are still up)
- 3:30 PM Plenary synthesis. (Each Breakout group presents outcomes, followed by group discussion.)
- 5:00 PM Break for dinner (on your own)

Saturday, October 26th

Session 2 – Geophysical imaging

- 7:00 AM Breakfast provided by workshop
- 8:00 AM Introduction by session convener
- 8:05 AM Lee Slater – Geophysics 101: 50 min + 10 min discussion
- 9:05 AM Steve Holbrook; 30 min + 10 min discussion
- 9:45 AM Coffee break (Posters are still up.)
- 10:00 AM Someone leads plenary discussion leading to breakout groups
- 10:15 – 12 PM Breakout Group Discussions
 - (a) Seismic refraction and waveform tomography
 - (b) Drilling and measurements to inform geophysics
 - (c) Resistivity, EM methods, NMR
- 12:15 PM Break for lunch (provided by workshop)
- 1:30 – 3:00 PM Session Syntheses Breakout Groups
 - (a) Drilling
 - (b) Sampling
 - (c) Imaging
- 3:00 – 4:30 PM Grand Synthesis: What have we learned? Discussion of study design. What next? Proposal. AGU Eos.