

2023 SCITS Fall Affiliates Meeting  
September 18-19, 2023  
Stanford University | 397 Panama Mall | Mitchell Earth Sciences Building

**Monday, September 18, 2023 | Hartley Conference Room, Mitchell Earth Sciences Building**

**LUNCH**

*12:00 p.m. - 1:00 p.m. PST*

<b>Time</b>	<b>Topic</b>	<b>Presenter</b>
<i>1:00 p.m.</i>	Opening Remarks	
<i>1:10 – 1:30 p.m.</i>	Introduction to the Doerr School of Sustainability	Jack Baker
<i>1:30 – 2:00 p.m.</i>	Assessing the effectiveness of the SRAs following the Stanton and Ridge Hill earthquakes	Jeong-Ung Woo
<i>2:00 – 2:30 p.m.</i>	A search for repeating earthquakes in southern Kansas and Oklahoma: evidence for aseismic fault slip	Rosie Ries
<i>2:30 – 3:00 p.m.</i>	Precision hypocenter determination: understanding the methods	Yifan Yu
<i>3:00 – 3:30 p.m.</i>	<b>Coffee Break</b>	
<i>3:30 – 4:00 p.m.</i>	Impact of stress heterogeneity and fault roughness on predicted seismicity sequences	Paul Segall and Albert Leonardo Aguilar Suarez
<i>4:00 – 4:30 p.m.</i>	Fluid-driven aseismic slip and swarm seismicity	Eric Dunham
<i>4:30 – 5:00 p.m.</i>	Open Discussion	

**DINNER RECEPTION**

*5:00 - 7:00 p.m.*

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## Tuesday, September 19, 2023 | Room B04, Mitchell Earth Sciences Building

### BREAKFAST

8:00 - 9:00 a.m. PST

Time	Topic	Presenter
9:00 – 9:30 a.m.	Recent developments in machine learning for analysis of seismic data	Greg Beroza
9:30 – 10:00 a.m.	Exploring the Use of Pre-Injection Seismic Surveys and Unsupervised Deep Learning for Cost-Effective Carbon Storage Monitoring	Min Jun Park
10:00 – 10:30 a.m.	Implications of Seismicity Induced by Water Injection for Large-Scale CO2 Storage in Subsurface Geological Formations	Mark Zoback
10:30 – 11:00 a.m.	<b>Coffee Break</b>	
11:00 – 11:30 a.m.	Insights into fault reactivation from the Musreau Lake and Peace River, Alberta, earthquakes	Bill Ellsworth
11:30 - 12:00 p.m.	Seismicity of the southern New Mexico portion of the Delaware Basin	Jeong-Ung Woo Justin Rubinstein
12:00 - 12:30 p.m.	Open discussion	
12:30 p.m.	Meeting concludes	