



# CALIFORNIA INSTITUTE OF TECHNOLOGY

Division of Engineering and Applied Science

Division of Geology and Planetary Sciences

Pasadena, California 91125

## Research Center for Geomechanics and Mitigation of Geohazards (GMG)

### Spring 2026 Hybrid GMG-IAB Meeting

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#### Day 1: Monday, March 16, 2026.

**Location:** Resnick Sustainability Center (Conference Room, RSC 120)

8:00 - 8:45 am Participant Registration, Breakfast, and Networking Time

8:45 - 9:00 am Welcome Remarks (Center Directors)

9:00 - 10:30 am Projects Review Session I

*GMG-6.8* Experimental investigation of the interaction between fluids & failure of rock faults in shear (Rosakis).

*GMG-4.8* Understanding conditions for stable/unstable fault slip induced by fluid injections (Lapusta).

*GMG-18.2* Coupling fault rupture and multiphase flow (Fu).

*GMG-15.4* Efficient Probabilistic Seismic Risk Assessment for Time-dependent Processes (Asimaki).

10:30 - 12:30 am Poster Session I

**12:30 - 1:30 pm**

**LUNCH**

1:30 - 3:00 pm

Projects Review Session II

*GMG-13.4* A Discrete Fault Network Model to forecast induced earthquakes, creep and tremors (Im).

*GMG-20.1* Development of theoretical models for injection-induced fault slip (Sáez).

*GMG-11.5* Forecast and Control of Injection-Induced Seismicity, Rates and Magnitudes (Avouac).

3:00 - 4:30 pm

Poster Session II

4:30 - 6:00 pm

Coffee Table Discussions

**6:00 - 8:00 pm**

**DINNER**

## Day 2: Tuesday, March 17, 2026

**Location:** Resnick Sustainability Center (Conference Room, RSC 120)

8:00 - 9:00 am	Breakfast, and Networking Time (all participants)
9:00 - 10:00 am	<u>Topical Lecture on GMG Research</u> Induced EQs at the Geysers Geothermal Field (Guo).
10:00 - 10:15 am	Break
10:15 - 11:00 am	<u>Guest Lecture</u> On the control of Groningen's induced seismicity: stochastic and discrete-time extensions (Stefanou).
	<u>Lightning talks</u>
11:00 - 12:00 pm	Poster Session III
<b>12:00 - 1:00 pm</b>	<b>LUNCH</b>
1:00 - 2:00 pm	Debriefing (all participants)
2:00 - 3:00 pm	IAB Organizational Meeting (IAB Members & Center Directors)
3:00 - 3:30 pm	BREAK

3:30 - 5:00 pm	IAB Meeting (IAB Members only)
5:00 - 6:00 pm	Summary Report and Closing Remarks (all participants)
<b>6:00 - 8:00 pm</b>	<b>DINNER</b>

**Hybrid participation:** Remote participants will be able to attend all the oral presentations. They will be able to provide feedback using the Airtable forms. They won't be able to participate to the poster session, coffee table discussion and social events. Live presentations will be recorded and posted during the meeting,

**Projects Review** (all participants): The PI will coordinate Lightning talks by the students, postdocs and collaborators involved in each project.

**Poster Session** (all participants): Informal discussions around the posters. The poster will present the same material as in the one covered by the pre-recorded presentations.

**Coffee table discussions** (all participants): One PI and one person from IAB in charge of reporting will stay at the same table. All others can rotate from one table to the other during the discussion.

**IAB Organizational Meeting and Formative Discussion** (IAB Members only): Discussion of impressions of previous day presentations and Airtable forms review. Formulation of recommendation/feedback to center leadership

**IAB Meeting** (IAB Members, and center directors): Discussion of proposed projects; Voting; Formulation of funding recommendation to center leadership.

### **Day 3: Wednesday, March 18, 2026**

**Location:** Clean Energy Park at Elk Hills Field, Kern County, California.

6:30 am – 3 pm: Visit of the carbon capture and storage (CCS) facilities of the California Resources Corporation, departure from Resnick Sustainability Center Breezeway.

\*Lunch boxes will be provided.