



CALIFORNIA INSTITUTE OF TECHNOLOGY

Division of Engineering and Applied Science
Division of Geology and Planetary Sciences
Pasadena, California 91125



NSF I/UCRC for Geomechanics and Mitigation of Geohazards (GMG)

2020- Spring Meeting

Agenda

June 16, 2020

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| 9:00 - 9:15 am | Welcome Remarks (EAS Chair, NSF, Center Directors) |
| 9:15 - 10:30 am | Project Presentations, progress and updated plans (PIs) <ul style="list-style-type: none">- GMG-5.2: Hydraulic Fracturing: Modeling and Optimization (Ortiz)- GMG-4.2: Understanding Conditions for Stable/Unstable Fault Slip Induced by Fluid Injections (Lapusta)- GMG-6.2: Experimental investigation of the interaction between fluids and failure of rock faults in shear (Rosakis) |
| 10:30 - 10:45 am | BREAK |
| 10:45 - 12:00 pm | Project Presentations, progress and updated plans (PIs) <ul style="list-style-type: none">- GMG-1.2: Remote Sensing Ground Deformation Monitoring of Natural and anthropogenic Processes (Asimaki)- GMG-8.2: Seismological Monitoring with Machine Learning (Ross)- GMG-9.2: Application of DAS in Monitoring Microseismicity and Subsurface Structure Changes (Zhan) |

June 17, 2020

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| 9:00 - 10:00 am | Topical Conference:
“Toward Stress-Based Time-Dependent Forecasting of Induced Seismicity”
J. Smith & Elias Heimisson |
| 10:00 - 10:15 am | BREAK |
| 10:15 - 11:00 am | Project Presentations, progress and updated plans (PIs) <ul style="list-style-type: none">- GMG-2.2 : Modeling Deformation and Seismicity Due to Fluid Injections (Avouac)- GMG- EP1: Monitoring and Modeling of Induced Seismicity in Texas (Ross, Avouac) |
| 11:00 - 12:00 pm | Potential new project and general discussion/break-out discussions? |

June 18, 2020

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| 9:00 - 10:00 am | IAB Organizational meeting, formative discussion (IAB Member, NSF) |
| 10:00 - 10:30 pm | IAB meeting (IAB Members, NSF and Center Directors). |
| 10:30 - 10:45 am | BREAK |
| 10:45 - 12:00 pm | Debriefing Summary report, action items and closing remarks (all participants) |

IAB Organizational Meeting and Formative Discussion (IAB Members and NSF only):

- Discussion of impressions of previous day presentations and LIFE forms
- Formulation of recommendation/feedback to center leadership.

IAB Meeting (IAB Members, NSF and Center Directors):

- Report to the Center Director