

Symposium Program

51st U.S. Rock Mechanics / Geomechanics Symposium 25 - 28 June, 2017, San Francisco, CA

Saturday, 24 June 2017	
TIME	EVENT
7:30 am - 10:00 am	<i>Registration-Outside Elizabethan C Room</i>
8:00 am - 6:00 pm	<i>Workshop 1-Elizabethan D Workshop on Emerging Advances in Geomechanics</i>
8:30 am - 5:00 pm	<i>Short Course 1-Elizabethan C Shale Gas GeoEngineering</i>
3:00 pm - 6:00 pm	<i>SedHeat Incubator Forum: Geothermal Battery Energy Storage (By Invitation)-Board Room</i>

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Sunday, 25 June 2017	
TIME	EVENT
7:30 am - 9:00 pm	<i>Registration and Speakers Ready Room-Italian Room Delegate Bags Sponsored by Itasca Consulting Group, Inc.</i>
8:00 am - 5:00 pm	<i>Workshop 2-California East 2017 Hydraulic Fracturing Workshop</i>
8:30 am - 5:00 pm	<i>Short Course 1 (Continued)-Elizabethan C Shale Gas GeoEngineering</i>
8:30 am - 4:30 pm	<i>Short Course 2-Hampton 2D and 3D Modeling of Rock Fracturing Processes in Geomechanics</i>
9:00 am - 4:00 pm	<i>ARMA Board of Directors Meeting-Essex Room</i>
9:00 am - 4:00 pm	<i>Technical Tour 2 Stanford University Campus and Rock Mechanics Labs</i>
11:15 am - 4:15 pm	<i>Special Activity Alcatraz: "The Rock"</i>
1:00 pm - 4:30 pm	<i>Workshop 3-Yorkshire How Laboratory Geomechanics Testing Adds Value to Exploration and Production</i>
2:00 pm - 5:00 pm	<i>Exhibit Set Up/Posters Mounted on Display Boards-Multiple Rooms on Ballroom Level</i>
4:30 pm - 5:30 pm	<i>ARMA Foundation Board of Directors Meeting-Board Room</i>
6:00 pm - 6:15 pm	<i>Opening Session-Grand Ballroom</i>
6:30 pm - 7:15 pm	<i>MTS Lecture François Henri Cornet, Professor Emeritus, Institut de Physique du Globe de Strasbourg</i>
7:15 pm - 8:30 pm	<i>Opening Reception and Exhibits- Italian and Colonial Lecture and Reception Sponsored by MTS Systems Corporation</i>

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Monday, 26 June 2017				
TIME	EVENT			
7:00 am - 6:45 pm	<i>Registration and Speakers Ready Room-Italian Room</i> <i>Delegate Lanyards Sponsored by Rocscience</i>			
7:00 am - 7:50 am	<i>Author's Breakfast-Roosevelt Room</i>			
8:00 am - 9:30 am	Track A-Elizabethan C&D	Track B-California West	Track C-California East	Track D-Elizabethan A&B
	Technical Session 1	Technical Session 7	Technical Session 11	Technical Session 15
	<i>Rock Excavation, Breaking, Dynamic Loading</i>	<i>Subsurface Stress, Pore Pressure and Integrity</i>	<i>Waste Disposal and CO2 Sequestration</i>	<i>Geology in Geomechanics</i>
8:30 am - 4:30 pm	<i>Exhibits Open-Italian and Colonial</i>			
9:00 am - 1:45 pm	<i>Special Activity</i> Magical Marin: Majestic Muir Woods & Sparkling Sausalito			
9:30 am - 10:00 am	<i>Coffee Break, Exhibits-Italian and Colonial</i> <i>Sponsored by Golder Associates</i>			
10:00 am - 10:50 am	<i>Keynote Address-Grand Ballroom</i> Derek Elsworth, Pennsylvania State University			
11:00 am - 12:30 pm	Track A-Elizabethan C&D	Track B-California West	Track C-California East	Track D-Elizabethan A&B
	Technical Session 2	Technical Session 8	Technical Session 12	Technical Session 16
	<i>Coal Mine Ground Control</i>	<i>Fracture Mechanics (1)</i>	<i>Laboratory and Field Measurements (1)</i>	<i>Rock mass, Fault and Fracture Characterization</i>
12:30 pm - 1:30 pm	<i>Exhibitors Lunch-Italian and Colonial</i>			
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Monday, 26 June 2017 (Continued)				
TIME	EVENT			
12:30 pm - 1:30 pm	<i>Lunch Meeting of the ARMA Publications Committee-Victorian</i>			
12:30 pm - 1:30 pm	<i>Lunch Meeting of the ASCE Rock Mechanics Committee-Hampton</i>			
1:30 pm - 2:00 pm	<i>Early Career Keynote Address-Grand Ballroom Maria Nikolinakou, University of Texas</i>			
2:00 pm - 3:30 pm	Technical Session 3	Technical Session 9	Technical Session 13	Technical Session 17
	<i>Mining Geomechanics</i>	<i>Fracture Mechanics (2)</i>	<i>Laboratory and Field Measurements (2)</i>	<i>Induced Seismicity</i>
3:30 pm - 4:30 pm	<i>Technical Sessions 4 and 5--Posters, Exhibits, Coffee Break-Italian and Colonial</i>			
4:30 pm -6:00 pm	Track A-Elizabethan C&D	Track B-California West	Track C-California East	Track D-Elizabethan A&B
	Technical Session 6	Technical Session 10	Technical Session 14	Technical Session 18
	<i>Numerical Modeling in Mining</i>	<i>Fracture Mechanics (3)</i>	<i>Laboratory and Field Measurements (3)</i>	<i>Coupled Processes (1)</i>
6:00 pm - 7:00 pm	<i>Student Rock Jeopardy Contest-Grand Ballroom</i>			
7:00 pm - 9:00 pm	<i>ARMA Fellows Dinner Farallon Restaurant, 450 Post St.</i>			

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Tuesday, 27 June 2017				
TIME	EVENT			
7:00 am - 6:30 pm	<i>Registration and Speakers Ready Room-Italian Room</i>			
7:00 am - 7:50 am	<i>Author's Breakfast-Alexandra's</i>			
	Track A-Elizabethan C&D	Track B-California West	Track C-California East	Track D-Elizabethan A&B
8:00 am - 9:30 am	Technical Session 19	Technical Session 25	Technical Session 29	Technical Session 33
	<i>Drilling Geomechanics (1)</i>	<i>Hydraulic Fracturing Case Studies (1)</i>	<i>Imaging Technologies for Geomechanics</i>	<i>Slope Stability, Foundations, and Dams (1)</i>
8:30 am - 4:30 pm	<i>Exhibits Open-Italian and Colonial</i>			
9:00 am - 1:00 pm	<i>Special Activity San Francisco Highlights</i>			
9:30 am - 10:00 am	<i>Coffee Break, Exhibits-Italian and Colonial Sponsored by Golder Associates</i>			
10:00 am - 10:50 am	<i>Keynote Address-Grand Ballroom David Yale, Yale Geomechanics Consulting</i>			
11:00 am - 12:30 pm	Technical Session 20	Technical Session 26	Technical Session 30	Technical Session 34
	<i>Drilling Geomechanics (2)</i>	<i>Hydraulic Fracturing Case Studies (2)</i>	<i>Geophysics in Geomechanics</i>	<i>Slope Stability, Foundations, and Dams (2)</i>
12:30 pm - 2:00 pm	<i>Lunch (on your own)</i>			
12:30 pm - 2:00 pm	<i>Lunch Meeting of the ARMA Future Leaders-Hampton</i>			
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Tuesday, 27 June 2017 (Continued)				
TIME	EVENT			
2:00 pm - 3:30 pm	Track A-Elizabethan C&D	Track B-California West	Track C-California East	Track D-Elizabethan A&B
	Technical Session 21	Technical Session 27	Technical Session 31	Technical Session 35
	<i>Drilling Geomechanics (3)</i>	<i>Hydraulic Fracturing Case Studies (3)</i>	<i>Geomechanics in Geothermal Processes</i>	<i>Slope Stability in Mines</i>
3:30 pm - 4:30 pm	<i>Technical Sessions 22 and 23: Posters, Exhibits, Coffee Break-Italian and Colonial</i>			
4:30 pm - 6:00 pm	Technical Session 24	Technical Session 28	Technical Session 32	Technical Session 36
	<i>Deep Mine Geomechanics</i>	<i>Near Wellbore Processes</i>	<i>Rock for Art and Architecture-Building Materials</i>	<i>Foundations and Dams</i>
6:30 pm - 7:20 pm	<i>Student Career Reception-Roosevelt Room</i>			
7:30 pm - 9:30 pm	<i>ARMA Awards Banquet-Grand Ballroom Sponsored by Agapito Associates, Inc.</i>			

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Wednesday, 28 June 2017				
TIME	EVENT			
7:00 am - 2:00 pm	<i>Registration and Speakers Ready Room-Italian Room</i>			
7:00 am - 7:50 am	<i>Author's Breakfast-Alexandra's</i>			
8:00 am - 9:30 am	Track A-Elizabethan C&D	Track B-California West	Track C-California East	Track D-Elizabethan A&B
	Technical Session 37	Technical Session 41	Technical Session 45	Technical Session 49
	<i>Sand Control Management</i>	<i>Interaction of Induced and Natural Fractures (1)</i>	<i>Computational Geomechanics (1)</i>	<i>Rock Properties for Underground Excavation</i>
9:30 am - 10:00 am	<i>Coffee Break-Italian and Colonial Sponsored by Golder Associates</i>			
10:00 am - 10:50 am	<i>Keynote Address-Grand Ballroom Erik Westman, Virginia Tech</i>			
11:00 am - 12:30 pm	Technical Session 38	Technical Session 42	Technical Session 46	Technical Session 50
	<i>Drilling Geomechanics (4)</i>	<i>Interaction of Induced and Natural Fractures (2)</i>	<i>Computational Geomechanics (2)</i>	<i>Underground Storage and Structures (1)</i>
12:30 pm - 2:00 pm	<i>Lunch (on your own)</i>			
12:30 pm - 2:00 pm	<i>Lunch Meeting of the Seattle and San Francisco Organizing Committees-Hampton</i>			
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Wednesday, 28 June 2017 (Continued)				
2:00 pm - 3:30 pm	Technical Session 39	Technical Session 43	Technical Session 47	Technical Session 51
	<i>Perspectives on Changing Rock Properties</i>	<i>Integrated Reservoir Geomechanics (1)</i>	<i>Computational Geomechanics (3)</i>	<i>Underground Storage and Structures (2)</i>
3:30 pm - 4:00 pm	<i>Coffee Break-Italian and Colonial</i>			
4:00 pm - 5:30 pm	Technical Session 40	Technical Session 44	Technical Session 48	Technical Session 52
	<i>Coupled Processes (2)</i>	<i>Integrated Reservoir Geomechanics (2)</i>	<i>Laboratory and Field Measurements (4)</i>	<i>Hydraulic Fracturing Case Studies (4)</i>
5:30 pm - 5:45 pm	<i>Closing Session-Grand Ballroom</i>			
6:15 pm - 8:15 pm	<i>Special Activity</i> Bridge Walk: Golden Gate Bridge at Sundown			
Thursday, 29 June 2017				
TIME	EVENT			
8:00 am- 6:00 pm	<i>Technical Tour 3</i> SLAC National Accelerator Laboratory and US Geological Survey			