Accommodations and Registration

A block of hotel rooms has been reserved for symposium attendees at the Westin St. Francis on Union Square, in the heart of the shopping, financial, and scenic areas of San Francisco. Guests can walk to cable cars and trolleys that go to Chinatown, Fisherman's Wharf, and the Alcatraz ferry. The San Francisco and Oakland Airports are easily accessible from the hotel by train. The Westin has made rooms available to symposium delegates at a very favorable rate.

Professional Development Hours (PDH) will be available for the symposium.

Information on symposium registration, exhibition, accommodation and sponsorships can be found at www.armasymposium.org or by contacting Peter Smeallie, Executive Director, ARMA, info@armarocks.org, 703-683-1808.

ARMA
american rock mechanics association
600 Woodland Terrace
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Register by May 2015 and save on the registration fee!

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49th US Rock Mechanics/Geomechanics Symposium

San Francisco • 2015 • June 28-July 1

Invitation to San Francisco

The American Rock Mechanics Association invites you to its 49th US Rock Mechanics/Geomechanics Symposium to be held in San Francisco, California, USA on 28 June-1 July 2015. The 2015 program will focus on new and exciting advances in rock mechanics and geomechanics. San Francisco is one of the country's most dynamic cities. Home to some the world's most innovative companies (Silicon Valley is nearby), San Francisco is known for its beautiful hills and views, its world-class restaurants, and its sophisticated cultural institutions. The symposium will be held at the Westin St. Francis on Union Square in the heart of the city.

Technical tours and field trips are being planned. Sightseeing tours will include various city landmarks, social activities and other attractions. Short courses and workshops will be held immediately prior to the symposium and will be listed as they are confirmed. Details will be provided on the symposium web page as they become available.

Subject Areas

This symposium encompasses all aspects of rock mechanics, rock engineering, and geomechanics. We invite scientific and engineering papers in:

- Petroleum engineering,
- Civil engineering,
- Geology and geophysics,
- Mining engineering, and
- Underground construction.

Further details will be provided on the symposium web page as they become available.

THE SYMPOSIUM ENCOMPASSES ALL ASPECTS OF ROCK MECHANICS, ROCK ENGINEERING, AND GEOMECHANICS.

Organizing Committee

Alvin Chan	Shell
Bill Dershowitz	Golder Associates
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Wayne Gibson	Gibson Group Management
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Joseph Morris (Chair)	Lawrence Livermore National Laboratory
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Marisela Sanchez-Nagel	OilField Geomechanics
Peter Smeallie	ARMA

Abstract Submission

Abstracts of 250-500 words, in English, can be submitted online at http://www.armasymposium.org. Abstracts should include a brief description of work performed, results, and significance. Figures may be included as necessary to explain the abstract. All abstracts and accepted papers will be peer-reviewed by experts in respective subject areas through an online process. To facilitate travel arrangements, invitation letters to attend and participate in the symposium may be issued upon request after acceptance of an abstract. A presentation slot will be tentatively assigned at that time, with final confirmation after approval of the paper.

Deadlines for abstract and paper submittal are as follows:

1 November 2014–Abstract submittal
15 January 2015–Notification to authors
1 March 2015–Paper submittal

The focus of the symposium is on fundamental, practical and educational issues facing our profession. Topics of interest include, but are not limited to:

- Rock mass characterization
- Rock physics and geophysics
- Unconventional resources development
- In-situ stress and pore pressure prediction and measurements
- Geomechanics for injection, production and depletion of reservoirs
- Reservoir stimulation and monitoring technologies
- Carbon sequestration and utilization
- Induced/triggered seismicity and monitoring micro-seismicity
- Hazards and hazard mitigation, rock slides
- Geothermal and hydrothermal advancements
- Waste disposal, seal integrity, underground storage
- Complexity of subsurface reservoirs/fault zones/fractured media
- Fracture mechanics and fracture propagation
- Mining and geology of rare earth element ores and other critical materials
- Slope and open pit stability, foundations, dams
- Stability/support of underground openings
- Numerical/analytical/constitutive modeling of rock and rock processes
- Rock excavation and breakage, dynamic loading
- Education in rock mechanics and geomechanics
- Novel laboratory and field equipment and testing
- Data visualization
- High performance computing and big data challenges
- Weak rocks, shales, problem geomaterials, granular materials
- Fluid flow and transport through fractured porous media
- Coupled processes, heat, flow and transport
- Geochemical/biogeochemical influences on rock properties and fluid flow
- Uncertainty quantification, optimization and risk assessment

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