

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.

**51st US Rock Mechanics/Geomechanics Symposium
to be held in San Francisco, California, 25-28 June 2017**



600 Woodland Terrace
Alexandria, VA 22302

Register by May 2017
and save on the
registration fee!

Register Online at: www.ARMASymposium.org

**ABSTRACT DEADLINE
EXTENDED TO 15 NOV 2016**

**Call for papers—
2017 Rock Mechanics/
Geomechanics Symposium**

**The Westin St. Francis,
Union Square
San Francisco, California**



Invitation to San Francisco

The American Rock Mechanics Association invites you to its **51st US Rock Mechanics/Geomechanics Symposium to be held in San Francisco, California, USA on 25-28 June 2017**. The 2017 program will focus on new and exciting advances in all areas of rock mechanics and geomechanics. San Francisco is one of the country's most dynamic cities. Home to some of 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.

Keynote speakers include Francois Cornet, Derek Elsworth and Erik Westman. 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. The emphasis will be on similarities of interests among practitioners in all fields. We invite scientific and engineering papers in:

- Petroleum engineering,
- Geology and geophysics,
- Underground construction, and
- Use of rock as artistic and building material.
- Civil engineering,
- Mining engineering,

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

Steven Glaser, University of California, Berkeley (Co-chair)
Sarah Wilson, McMillen Jacobs Associates (Co-chair)
Florian Amann, ETH Zurich
John Dudley, Shell Research
Derek Elsworth, Pennsylvania State University
Haiying Huang, Georgia Tech, (Proceedings editor)
Matt Mauldon, Virginia Tech
Jeff Moore, University of Utah
Mike Myers, University of Houston
Seiji Nakagawa, Lawrence Berkeley National Laboratory
Chris Sherman, Lawrence Livermore National Laboratory
Hiroke Sone, University of Wisconsin
Gabriel Walton, Colorado School of Mines
John Curran, ARMA Treasurer
Peter Smeallie, ARMA Executive Director

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:

15 November 2016—Abstract deadline

6 January 2017—Notification to authors

15 February 2017—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*:

- Geomechanics for civil engineering—stability of slopes, pits, foundations, dams, underground storage
- Geomechanics for petroleum engineering—well design, injection, production and depletion of reservoirs, well stimulation, sand control
- Geomechanics/rock mechanics for mining engineering—rock excavation and breakage, dynamic loading
- Geomechanics and environmental risk—hazards and hazard mitigation, risk assessment and uncertainty
- Induced/triggered seismicity
- Waste disposal—produced water, CO2 sequestration
- Depletion-induced surface subsidence
- Interdisciplinary rock mechanics/geomechanics topics
- Rock mass, fault zone, fractured rock, weak rock, rock fabric characterization
- Stability and support of underground openings and structures
- Fracture mechanics—initiation, propagation and interaction, unconventional reservoirs
- In situ stress, pore pressure measurements, prediction
- Geomechanics in geothermal exploration and production
- Laboratory and field measurements, testing, equipment
- Coupled processes—geomechanics, fluid flow, heat, transport
- Numerical/analytical/constitutive modeling of rock and rock processes
- Computational advances and data analytics
- Geophysics and geology in geomechanics
- Rock heterogeneity across all length scales
- Use of rock as artistic and building material