



Accommodations and Registration

A block of hotel rooms has been reserved for symposium attendees at the Westin Seattle on 5th Avenue, in the heart of the shopping, financial, and scenic areas of the city. Guests can walk to the Space Needle, Pike Place Market, Museum of Pop Culture, the Seattle Aquarium, the Great Wheel, and to ferries to nearby islands and peninsulas. Seatac Airport is easily accessible from the hotel via light rail or taxi. 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.

**52nd US Rock Mechanics/Geomechanics Symposium
to be held in Seattle, Washington, 24-27 June 2018**



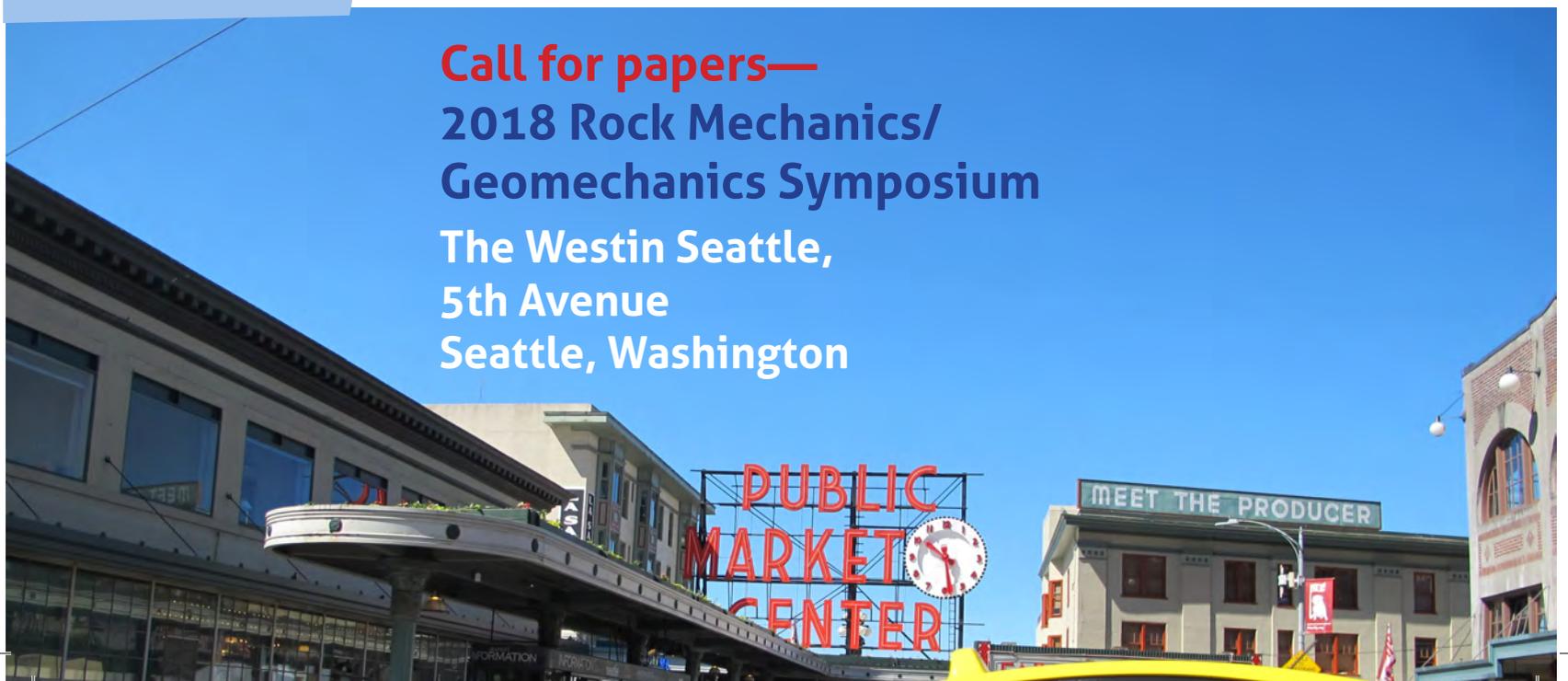
600 Woodland Terrace
Alexandria, VA 22302

Register by May 2018
and save on the
registration fee!

Register Online at: www.ARMASymposium.org

**Call for papers—
2018 Rock Mechanics/
Geomechanics Symposium**

**The Westin Seattle,
5th Avenue
Seattle, Washington**



Invitation to Seattle

The American Rock Mechanics Association invites you to its 52nd US Rock Mechanics/Geomechanics Symposium to be held in Seattle, Washington, USA on 24-27 June 2018. The 2018 program will focus on new and exciting advances in all areas of rock mechanics and geomechanics. Seattle is one of the country's fastest growing and exciting cities. Home to some of the world's most innovative companies (including Microsoft, Amazon and Starbucks), Seattle is known for its beautiful mountains and waterfront, its world-class restaurants, and its sophisticated cultural institutions. The symposium will be held at the Westin Seattle on 5th Avenue 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. The emphasis will be on similarities of interests among practitioners in all fields. We invite scientific and engineering papers in:

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

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

Bill Dershowitz, Golder Associates (Co-chair)
Mark Liebman, CASE Forensics (Co-chair)
Houman Bedayat, Convergent US
Chris Breeds, Subterra, Inc
Seth Buseti, Conoco Phillips
Tom Doe, Golder Associates
Conrad Felice, CW Felice LLC
Thomas Flottman, Origin Energy
Stephen Hadley, WSDOT
Yossef Hatzor, Ben Gurion University of the Negev
Rennie Kaunda, Colorado School of Mines
Joseph Wartman, University of Washington
Maria Nikolinakou, ARMA Treasurer
Richard Schultz, University of Texas at Austin
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:
1 November 2017—Abstract submittal
6 January 2018—Notification to authors
15 February 2018—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