



54th US ROCK MECHANICS / GEOMECHANICS SYMPOSIUM: GOLDEN, COLORADO, 28 JUNE - 1 JULY 2020

INVITATION TO GOLDEN, COLORADO

The American Rock Mechanics Association invites you to its 54th US Rock Mechanics / Geomechanics Symposium in Golden, Colorado, on 28 June - 1 July 2020. The technical program will focus on advances and innovative applied research in rock mechanics and geomechanics. Technical tours and field trips are planned. Short courses and workshops will be held prior to the symposium. Details will be provided on the symposium web site as they become available.

IMPORTANT DATES

Abstract submission – 1 November 2019
Notification to authors – 6 January 2020
Paper submission – 1 March 2020

VENUE

The symposium will be hosted by Colorado School of Mines in Golden, Colorado. A block of hotel rooms has been reserved for symposium attendees at the Marriott Denver West, which has made its 625 rooms available to symposium delegates at a highly favorable rate. Golden is located at the foothills of the Rocky Mountains with unique activities and destinations for visitors. Lookout Mountain, Mines Geology Museum, Edgar Experimental Mine, Clear Creek Whitewater Kayaking Park, Table Mountain hiking trail, Red Rock Amphitheater are a few of the beautiful sites to visit.

REGISTRATION

For information on registration, exhibits, accommodation, and sponsorships visit:

www.armasymposium.org

contact

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ARMA Executive Director

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ORGANIZING COMMITTEE

Azra N. Tutuncu Colorado School of Mines
Priscilla Nelson Colorado School of Mines
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Gabriel Walton Colorado School of Mines
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Neal Nagel Oil Field Geomechanics
Hiroki Sone University of Wisconsin
John Tinucci SRK (Industry Sponsorship Chair)
David Yale Yale Consulting
Maria Nikolinaokou University of Texas at Austin
Peter Smeallie ARMA

WORKSHOPS AND SHORT COURSES

Jamal Rostami Colorado School of Mines
Binh Bui Colorado School of Mines

SUBJECT AREAS

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

Petroleum Engineering
Civil Engineering
Geology and Geological Engineering

Topics of interest include:

Geomechanics in cultural heritage
Tunneling and underground infrastructure
Dams and foundations
Geohazards: risk assessment and mitigation
Innovative laboratory and field testing
Numerical modeling of geostructures
Mine-scale numerical modeling
Mining and oil operations induced seismicity and rockbursting
Ground control in coal and hard-rock mining
Open pit mine geomechanics
Geomechanics and geothermal resources

FIELD TRIPS

Keith Turner Colorado School of Mines
Stephen Sonnenberg Colorado School of Mines

Geophysics
Mining Engineering
Interdisciplinary Studies

Imagining technologies, non-destructive testing
Relating geology and geomechanics
Coupled processes in geomechanics
AI and big data in geomechanics
Autonomous technologies for geomechanical assessments
Visualization, AR and VR in geomechanics
Uncertainty assessment and management
Unconventional resources in geomechanics
Reservoir characterization
Fiber-optics and micro-seismic monitoring of geomechanical property changes

CALL FOR ABSTRACTS

Abstracts in English, 250-500 words, 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 to explain the abstract. All abstracts and accepted papers will be peer-reviewed by experts in the 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 abstract acceptance.

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

