

INVITATION TO SANTA FE

The American Rock Mechanics Association invites you to its 56th U.S. Rock Mechanics / Geomechanics Symposium in Santa Fe, New Mexico, on 26-29 June, 2022. 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 website santafe2022.armorocks.org as they become available.

Santa Fe, the oldest state capital in the U.S.A., is consistently rated as one of the top cities in the world to visit. The city's unique architecture defines the American Southwest and reflects the deep influence and blending of Native American, Spanish, and Anglo-American cultures. The art scene is vibrant, with world-class museums and over 250 galleries open year-round, while a range of dining options is available within a comfortable walking distance. Sitting at an elevation of 2,200 m at the base of the Sangre de Cristo Mountains, Santa Fe offers warm summer days and cool evenings. Visitors who wish to venture out of the city will also enjoy an abundance of outdoor activities and locales in the state of New Mexico, which is known as the "Land of Enchantment".

The symposium will be held at the Santa Fe Community Convention Center, located next to the city's central plaza and only a short stroll away from the Eldorado Hotel, which will serve as the conference hotel. Rooms at the Eldorado Hotel will be available to symposium participants at reduced rates.

Subject areas

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

Civil
Mining
Geothermal

Topics of interest include:
Geomechanics in cultural heritage
Tunneling and underground infrastructure
Slope stability, dams, and foundations
Geohazards: risk assessment and mitigation
Innovative laboratory and field testing
Discrete fracture systems
Numerical modeling of geostructures
Mine-scale numerical modeling
Induced seismicity and rockbursting
Ground control in coal and rock mining
Geomechanics and geothermal resources

Petroleum - Conventional
Petroleum - Unconventional
Interdisciplinary

AI and data science in geomechanics
Imaging technologies, non-destructive testing
Relating geology and geomechanics
Coupled processes in geomechanics
Visualization, AR, and VR in geomechanics
Uncertainty assessment and management
Unconventional resources in geomechanics
Reservoir characterization and simulation
Drilling mechanics and engineering
Underground storage and utilization
Hydraulic fracturing

Organizing committee

Conference Chair
Douglas Blankenship *Sandia National Laboratories*

Technical Chair
Pengcheng Fu *Lawrence Livermore National Laboratory*

Geothermal
Zachary Frone *U.S. Department of Energy*
John McLennan *University of Utah*

Interdisciplinary
Mathew Ingraham *Sandia National Laboratories*
Hui Wu *Lawrence Livermore National Laboratory*

Mining
Kathy Kalenchuk *RockEng Inc.*
Gabriel Walton *Colorado School of Mines*

Civil
Ingrid Tomac *University of California, San Diego*
Luke Frash *Los Alamos National Laboratory*

Petroleum - Conventional
Kan Wu *Texas A&M University*
Zhuang Sun *Dassault Systèmes*

Petroleum - Unconventional
Olga Kresse *Schlumberger*

Workshops
Hongkyu Yoon *Sandia National Laboratories*

Field trips
Bill Carey *Los Alamos National Laboratory*

CALL FOR ABSTRACTS

Abstracts in English, up to 500 words, can be submitted online at:

<https://santafe2022.armorocks.org>

Abstracts should include a brief description of the work performed, results, and significance. Figures may be included to explain the abstract. All abstracts will be peer-reviewed by experts in the respective subject areas through an online process.

Important deadlines

Abstract submission – 9 November 2021
Notification to authors – 7 January 2022
Paper submission – 24 February 2022

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

Contact

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