

## INVITATION TO SANTA FE

The American Rock Mechanics Association invites you to its 59<sup>th</sup> U.S. Rock Mechanics / Geomechanics Symposium in Santa Fe, New Mexico, U.S.A., on 8-11 June 2025. The technical program will focus on theoretical 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. Travel companion activities will be available during the symposium. Program details will be provided on the symposium website as they become available.

[santafe2025.armorocks.org](https://santafe2025.armorocks.org)

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

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. 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 venture out of the city also enjoy an abundance of outdoor activities and locales in the state of New Mexico, which is known as the "Land of Enchantment".

## SUBJECT AREAS

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

**Civil  
Mining**

**Geothermal  
Interdisciplinary**

**Petroleum - Conventional  
Petroleum - Unconventional  
Storage & Sequestration**

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

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

### Symposium Chair

**John Dudley** *Independent Consultant (Retired Shell)*

### Technical Chair

**Jeffrey Burghardt** *Pacific Northwest National Laboratory*

### Civil

**Nick Hudyma** *Boise State University*

**Mary MacLaughlin** *Montana Technological University*

### Mining

**Zoheir Khademian** *NIOSH*

**Omid Moradian** *New Mexico Institute of Mining and Technology*

### Geothermal

**Wei Fu** *Itasca*

**Zachary Frone** *U.S. Department of Energy*

### Interdisciplinary

**Qiquan Xiong** *Los Alamos National Laboratory*

**Chris Sherman** *Lawrence Livermore National Laboratory*

### Petroleum - Conventional

**Brian Crawford** *ExxonMobil*

**Meng Meng** *Los Alamos National Laboratory*

### Petroleum - Unconventional

**Olga Kresse** *Schlumberger*

**Jiehao Wang** *Chevron*

### Storage & Sequestration

**Yan Li** *Chevron*

**Shahrzad Roshankhah** *University of Utah*

### Workshops & Short Courses

**Isabella West** *WSP USA*

### Poster Sessions

**Aly Abdelaziz** *Petronas Canada*

### Keynotes / Panel Speakers

**Sidney Green** *Epirocovery*

### Technical Field Trips

**Dane Wagner** *Geobrugg North America*

### Exhibition

**Sarah Aldin** *MetaRock Laboratories*

### Award Papers

**Mahdi Heidari** *The University of Texas at Austin*

### Student Activities

**Athar Hussain** *Texas Tech University*

### Member at Large

**Douglas Blankenship** *Sandia National Laboratories*

## CALL FOR ABSTRACTS

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

<https://santafe2025.armorocks.org/authors>

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 – *Extended to 30 October 2024*

Notification to authors – 23 December 2024

Paper submission – 7 February 2025

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

## Contact

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