



2026 ARMA Awards

N.G.W. COOK PH.D. DISSERTATION AWARD

Moshen Talebkeikhahim

“Experimental Investigation of Hydraulic Fracture Propagation and Closure”

CASE HISTORY AWARD

Louis Ngai Yuen Wong, Zhaonan Wang

“Simulation of Fire-Induced Spalling and Damage Behaviors in Granite Rock Caverns in Hong Kong Using Thermo-Mechanical Coupling Phase Field Method, Engineering Geology”

ROCK MECHANICS RESEARCH AWARD

Ghasem Shams, Patrice Rivard, Omid Moradian

“Micro-Scale Fracturing Mechanisms in Rocks During Tensile Failure, Rock Mechanics and Rock Engineering”

ARMA FELLOW AWARD

Thomas Doe

DISTINGUISHED SERVICE AWARD

(Senior Level): Dr. Hiroki Sone

(Junior Level): Dr. Mahdi Haddad

ARMA BEST PAPERS

Kruszewski, M.; Hamdi, P.; Dickmann, J.; Amann, F.; Villiger, L.; Bianchi, P.; Rinaldi, A.P.; Wiemer, S.; Perras, M.

“Crack Initiation of Rotondo Granite During the PRECODE Mine-by Experiment in the Bedretto Lab”

Zhao Feng; Xianda Shen; Fengshou Zhang

“Conditional Neural Field Latent Flow Matching Model for Real-time Inverse Modeling of Geological Carbon Sequestration”

Anthony Pierce

“Real-time-scale Hydraulic Fracture Monitoring Using an Extended Kalman Filter-reduced Model”

Wei Fu; Branko Damjanac; Chris Thielsen; Ehsan Ghazvinian; Miguel Fuenzalida

“From Fracture Interaction to Cave Response: A Multi-Scale DEM-FVM Framework for Modeling Hydraulic Fracturing Preconditioning in Hard-Rock Caving”

Mitchell, C.; Sherizadeh, T.; Nowak, S.; Mutlu, U.; Hender, S.; Boitnott, G.; Lisjak, A.; Mahabadi, O.

“Geomechanical Calibration of Peridotites for Modeling Stimulation of Geologic Hydrge Production”

Borate, P.; Bozek, E.; Rivers, M.; Pillarisetti, L.; Williams, C.; Rivere, J.; Shokouhi, P.

"Linking Fault Roughness, Contact Evolution, Elastodynamic, and Acoustic Response During Laboratory Earthquakes"

ARMA BEST POSTERS

Anh Nguyen; Yang Zhao; Yanzhao Niu; Zdenek Bazant

“Rapid-InSitu Permeability Estimation of Reservoir Rocks From Fall-Off Tests Using a Parabolic Approximation of Axisymmetric Diffusion”

STUDENT CHAPTER RESEARCH COMPETITION

First Place: Mei Li, University of Toronto

Second Place: Ose Budiman, King Fahd University of Petroleum and Minerals (Saudi Arabia)

Thrid Place: Honghui Du, University of Minnesota

STUDENT CHAPTER DESIGN COMPETITION

First place: Team ARMAdillo, Seoul National University (Republic of Korea)

Youngjae Myeong; Changmoo Lee; Hyeonkyeong Na; Yeonghun Kim; Seongha Kim

Second place: Treefrac, Standord University (USA)

Yuan Tian; Sarah Sausan; Kongphop Wongpattananukul

Third place: Mines Frac Squad, Colorado School of Mines (USA)

Maria Petrova; Charles Crosby; Dipson Pradhan; Sushma Kadel; Ceyhan Akyol