



2025 ARMA Awards

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

Aishwarya Srinivasan

“Investigation of Distributed Fiber Strain Measurements for Fracture Geometry Quantification and Rock Deformation Characterization: Modeling and Field Applications”

CASE HISTORY AWARD

Wen Wang, Joseph Mjehovich, Liqing Chen, Ge Jin, Junfeng Li, and Xiaosong Fu

“Bedding Plane Slippage and Fault Reactivation Captured by Cross-Well LFDAS Monitoring During Hydraulic Fracturing”

ROCK MECHANICS RESEARCH AWARD

Pengliang Yu, Ziyang Li, Ankur Mali, Jiayi Yu, Chris Marone, Parisa Shokouhi, and Derek Elsworth (2024)

“Crustal Permeability Generated Through Microearthquakes is Constrained by Seismic Moment”

ARMA FELLOW AWARD

Robert Zimmerman, Herbert F. Wang

ARMA BEST PAPERS

Awais Butt; Reza Hedayat; Omid Moradian

“Hydraulic fracturing and microseismicity in granite and sandstone for EGS applications: a comparative approach”

Margariete Malenda; Michael Homel

“A Continuum Scale Approach to Predicting Wellbore Stability in Ghareb Chalk for Safe Nuclear Waste Disposal”

Sylvain Brisson; Brice Lecampion

“The Utah FORGE 2022 hydraulic stimulations: tensile hydraulic fractures or/and fluid-induced dilatant shear ruptures?”

Yu-Chen Lu; Alvian R. Yanuardian; Jia-Jyun Dong; Wen-Chao Huang; Mei-Wen Chen; Chih-Hsiang Yeh

“Developing the 3D geological model in a sedimentary rock slope considering the fracture intensity distribution using borehole and LiDAR information”

Jorge Braz de Souza; Assef Mohamad-Hussein; Bruno Macedo; Xavier Teijeiro; Luiz Santos; Thiago Falcão; Anna Carla Bizotto

“The Role of Geomechanics in Integrated Forward Modelling of Geological Processes”

Mathieu Armatys, David Cheung

“Seismic Risk at Lucky Friday Mine: Past and Present”

Yves Guglielmi; Stanislav Glubokovskikh; Paul Cook; William Foxall

“In-situ observations of the earthquakes impact on a shallow segment of the San Andreas fault”

ARMA BEST POSTERS

Xuejun Zhou and Ahmad Ghassemi

“Temperature Dependence of the Poroelastic Properties of Utah FORGE Granitoids – Part I”

Fugang Zheng, Jiao Yang, Chenfeng Gao and Yaoru Liu

“Study on the influence of faults in foundation on the long-term stability evolution of high arch dam”

Christian Ortmann, Julia Potter, James McNabb, Andrew Bidwell, Leonard Brown, Alma Reasoner, Benjamin Meyer, Jose Restrepo

“Rockfall Forecasting from High-Resolution Time Series Data”

Bhadariya, Vishesh; Mayibeki, Dionne ; Eidee, Shaolin Jahan; Akhilome, Christian; Nyavor, Paschalyn E.; Hareland, Geir

“Sustainable Solution for Oil Well Cementing: Investigating Fiberglass as a Strength-Enhancing Additive”

Nguyen, Anh; Asem, Pouyan; Matter, Juerg; Zhao, Yang; Labuz, Joseph; Bazant, Zdenek

“Fast permeability measurements of tight rock: Theoretical study and experimental validation”

Di Wang, Yang Li, Guangfu Wang, Haibo Wang, Zhiwen Huang and Fengxia Li

“A Computational Fluid Dynamics Model for Temporary Plugging Balls Transport in a Multi-Clusters Horizontal Wellbore”

Roberto Quevedo ; Amanda Scherer ; Arthur Gomes ; Luis Santos ; Deane Roehl; Bruno Carvalho

“Scaling laws between fault displacement, lithology and damage zone widths in carbonates”

STUDENT CHAPTER FORMATION

Southwest Petroleum University, Xindu District, Chengdu, China

STUDENT CHAPTER RESEARCH COMPETITION

Omar Abdeltwab, Son Nguyen

STUDENT CHAPTER DESIGN COMPETITION

First place: Team Geomech UNI

Rubén Romero, Lincoln Esteban, Sammy Lucano,
Anthonny Fernández, and Yeltsin Eulogio
National University of Engineering. Peru

Second place: ARMAcizos UN

Juan Perez, Natally Martinez, Luis Fajardo
Santiago Gonzalez, and Andrés Quiroz
Universidad Nacional de Colombia (Medellín/Colombia)

Third place: Bluegrass Consulting

Zachary Wedding, Ben Diddle, Daykin Schnell,
and Carlos Hernandez
University of Kentucky (USA)