



2021 ARMA Awards

N.G.W. Cook Ph.D. Dissertation Awards

Wenzhuo Cao, Ph.D., Imperial College, 2019. Monitoring and Modelling of Microseismicity Associated with Rock Burst and Gas Outburst Hazards in Coal Mines.

Supervised and nominated by Professor Sevket Durukan, Imperial College of Science, Technology and Medicine, United Kingdom.

M.S. Thesis Award

Heather Schovanec, M.Sc., Colorado School of Mines, 2020. Development of Semi-Automated LIDAR Processing Algorithms to Correlate Climate Variables to Rockfall Patterns for a Slope Near Glenwood Springs, Colorado.

Supervised and nominated by Professor Gabriel Walton, Colorado School of Mines, USA.

Rock Mechanics Research Award

Sho Ogata, Osaka University; **Hideaki Yasuhara**, Ehime University; **Naoki Kinoshita**, Ehime University; **Kiyoshi Kishida**, Kyoto University; 2020. Coupled thermal-hydraulic-mechanical modeling for permeability evolution of rocks through fracture generation and subsequent sealing. *Computational Geosciences*, 24(5): 1845-1864. DOI 10.1007/s10596-020-09948-3

Nominated by Professor Derek Elsworth, Pennsylvania State University, USA.