



COLORADO SCHOOL OF MINES • GOLDEN, COLORADO USA AUGUST 9 - 11, 2017

APCOM

APPLICATION OF COMPUTERS
AND OPERATIONS RESEARCH
IN THE MINERAL INDUSTRY

2017

The 38th Application of Computers and Operations Research in the Mineral Industry (APCOM) is organized by Colorado School of Mines in Golden, Colorado between August 9 and 11, 2017. Since the first symposium in early 1960's at the University of Arizona, APCOM has been instrumental in fostering relationships between academic researchers and industry practitioners in the development of the latest computer based mathematical techniques and operations research in geostatistical resource estimation, ultimate pit limit analysis, cut-off grade and production scheduling optimization, truck dispatching, equipment maintenance, ventilation, mine evaluation and finance with latest information and operating practices coming from the field. This year's APCOM will be no exception and include "BIG DATA" concepts and analysis and "Internet of Things".

TOPICS

Topics that will be explored during the 38th APCOM Symposium include:

- Exploration and Data Collection
- Geological Interpretation and Modelling
- Statistical and Exploratory Data Analysis
- Geostatistical Mineral Resource Estimation
- Classification of Mineral Resources and Reporting
- Mineral Reserve Estimation
- Grade Control Production and Reconciliation
- Strategic Mine Planning
- Mine Planning and Scheduling Optimization - Open Pit and Underground
- Unit Operation Equipment Selection and Cost Estimation
- Mineral Resource Uncertainty Characterization and Conditional Simulation
- Risk and Sensitivity Assessment of Geology and Mineral Grades
- Mine Ventilation
- Equipment Maintenance
- Metallurgical Processing and Optimization
- Mine to Mill Optimization
- Financial Analysis and Real Options
- Big Data Analysis and Operational Improvement and Controls
- Internet of Things

PAPERS

The Symposium provides an excellent opportunity for sharing knowledge through presentations. The preliminary schedule for submittal of papers is shown below.

- December 15, 2016:: Call for Papers
- **February 24, 2017:: Abstracts due; review begins**
- March 15, 2017:: Abstract decisions to Authors
- May 1, 2017:: Final Manuscripts due, papers to editor
- May 19, 2017:: Final program posted
- August 9-11:: Symposium

WEBSITE

Full information about the 38th International Symposium on the Applications of Computers and Operations Research in the Mineral Industry (APCOM) can be found on the web at:

<http://csmospace.com/events/apcom2017>

Questions? Please contact Please contact Dr. Kadri Dagdelen, kdagdele@mines.edu or apcom2017@csmospace.com