

November 20, 2018

		Principal Hall		
		Principal Hall	Araucaria I	Araucaria II
7:30	9:00	Registration		
9:00	9:30	Welcoming Session		
9:30	10:30	Plenary Session 1 (Rodrigo de la Paz)		
10:30	11:00	Coffee Break		
11:00	12:30	Plenary Session 2 (Hekmat/ Rupprecht)		
12:30	14:00	Lunch		
14:00	15:40	Rock Mechanics and Geotechnical Applications (Mertuszka/Gogolewska)	Mining Equipment Selection and Innovative Materials Handling Systems and Equipment (Rezakhah/ Golbasi)	Blasting and Fragmentation (Cannan/ Genc)
15:40	16:00	Coffee Break		
16:00	17:15	Design, Planning and Optimization of Surface and Underground Mines (Tholana/ Rojas)	Management of Mining and Hazardous Waste and Waste Stabilization (Bascetin/ Garcia)	Mining Equipment Selection and Innovative Materials Handling Systems and Equipment (Ghodrati/ Anani)
17:15	17:30	Announcements		
17:30	19:00	Welcome Cocktail		

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		Principal Hall		
7:30	9:00	Registration		
9:00	9:30	<p style="text-align: center;">Welcoming Session</p> <p style="text-align: center;">Master of Ceremony: Mr. Rodrigo de la Paz, <i>AMTC, University of Chile</i> Prof. Francisco Martinez, <i>Dean, Faculty of Physical and Mathematical Sciences, University of Chile</i> Prof. Javier Ruiz del Solar, <i>Director, AMTC, University of Chile</i> Prof. Froilan Vergara, <i>Director, Department of Metallurgical Engineering, University of Concepcion, Chile</i> Dr. Eleonora Widzyk-Capehart and Dr. Asieh Hekmat, <i>MPES –SWEMP Conference Chairs</i></p>		
9:30	10:00	Mr. Baldo Prokurica, <i>Ministry of Mining, Government of the Republic of Chile</i>		
10:00	10:30	Ms. Mohini Singhal, <i>MPES – SWEMP International Organizing Committee</i> Recent Advances in Mining Science and Technology		
10:30	11:00	Coffee Break		
11:00	11:30	Mr. Nelson Trejo, <i>Epiroc, Sweden</i> Epiroc Service Electrification		
11:30	12:00	Prof. Radoslaw Zimroz, <i>Wroclaw University of Technology, Poland</i> Mining goes digital		
12:00	12:30	Mr. Andrzej Zablocki, <i>Epiroc, Chile</i> Automatically controlled systems in drilling for horizontal mine development operations		
12:30	14:00	Lunch		
		Principal Hall	Araucaria I	Araucaria II
14:00	14:25	Three-dimensional Integral Modeling of Large Open-Pit Slopes: An Innovative Stability Analysis <i>G. F. Napa-García, V. F. Navarro Torres, I.R. Trópia, R.B. Capelli, T.R. Câmara</i>	Environmental comparison of different transportation systems (Truck-Shovel and IPCCs) in open pit mines by system dynamic modelling <i>H. Abbaspour, C. Drebenstedt</i>	Use of Geospatial Queries for Optimum Drilling and Blasting Practices in Surface Mining <i>M. Erkayaoglu</i>
14:25	14:50	Collocated ground deformation and pore pressure measurements in open pit mines: laboratory testing and analysis of wireless sensing platform <i>E. Widzyk-Capehart, A.Barberán, M. J. Briceño, C. Navarro, P. M. V. Nguyen, S. Steffen</i>	Truck-and-excavator versus conveyor system. An environmental and economic comparison <i>C. M. de Almeida, T. de Castro Neves, C. Arroyo, P. Campos</i>	Optimization of the presplit using the hybrid stress blasting model <i>F. Orellana, R. Ortiz</i>
14:50	15:15	Fundamental Study of Stope and Barrier Pillar Stabilities by Using Cut and Fill Method for Redevelopment of Rest Gold Mine, Myanmar <i>N. Naung, H. Shimada, T. Sasaoka, A. Hamanaka, S. Wahyudi, M. Pisith</i>	Bulk material volume evaluation and tracking in belt conveyor network based on data from SCADA <i>P. Stefaniak, P. Kruczek, P. Śliwiński, N. Gomolla, A. Wyłomańska, R. Zimroz</i>	Implementation of Emulsion in Horizontal Developments-Chuquicamata Underground Mine <i>J. Alcáino, D. Morales</i>
15:15	15:40	Determination of the Crown Pillar Thickness between Open Pit and Underground for Coal Mining <i>P.M.V. Nguyen, E. Widzyk-Capehart, Z. Niedbalski</i>	Optimal Selection and Assignment of Loading Equipment for the Compliance of an Open Pit Production Plan <i>H. Gonzalez, N. Morales</i>	Prediction of Rock Fragmentation Based on a Modified Kuz-Ram Model <i>A. Hekmat, S. Muñoz</i>
15:40	16:00	Coffee Break		
16:00	16:25	Transportation Problem Based Stochastic Integer Programming Model to Dispatch Surface Mining Trucks under Uncertainty <i>M. Afrapoli, M. Tabesh, H. Askari-Nasab</i>	Application of Fly Ash to Acidic Soil to Improve Plant Growth in Disturbed Land of Open-cut Mining <i>A. Hamanaka, H. Yamasaki, T. Sasaoka, H. Shimada, S. Matsumoto</i>	A Discrete Event Simulation for a Truck-Shovel System <i>E. Y. Baafi, W. Zeng</i>
16:25	16:50	Comparison of different approaches to strategic open-pit mine planning under geological uncertainty	An Investigation of the Geotechnical Properties of Coal Combustion By-Products	Increasing the Productivity of the Transport Fleet by Reducing the Carry Back Load

		<i>G. Nelis, N. Morales, E. Widzyk-Capehart</i>	from Matimba Power Station In Lephalale, South Africa <i>L. Magunde, F. Sengani, T. Zvarivadza</i>	<i>W. Felsch Jr, M. das Graças Silva, C. Arroyo, M.s Vinicius Baeta, A. Claudio Souza, R. Fonseca, A. Curi</i>
16:50	17:15	Use of Genetic Algorithms for Optimization of Open-Pit Mining Operations with Geological and Market Uncertainty <i>G. Franco-Sepulveda, G. P. Jaramillo, J. C. Del Rio</i>	Ash, Volatile Matter and Carbon Content Influence on Spontaneous Combustion Liability of Coal-Shales <i>M. Onifade, B. Genc</i>	Open-pit mine production scheduling: improvements to MineLib library problems <i>E. Jélvez, N. Morales, P. Nancel-Penard</i>
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