APPROVED ABSTRACTS
(75 abstracts as of December 16, 2019)

Represented Countries (11): Argentina, Australia, Brazil, Canada, Colombia, Chile, England, Peru, Spain, South Africa and USA

Lean Production (7)

(A07) Use of Availability (UoA) Improvement in Minera Las Bambas
Luis Reynafarge, Pável Oropeza and Juan Herrán, Minera Las Bambas, Peru

(A08) Six Sigma to Enhance Operational Performance in a Concentrate Plant
Jorge Arana, Rolando Quispe and Marco Gutierrez, Minera Las Bambas, Peru

(A09) Hauling Payload Improvement in Minera Las Bambas
Luis Reynafarge, Pável Oropeza and Juan Herrán, Minera Las Bambas, Peru

(A23) Operational Experience of Autonomous Hauling System at Gabriela Mistral Mine
Diego Quezada, Gabriela Mistral Division, Codelco, Chile

(A28) Information Flows Impact on Productivity through Lean Initiatives
Patricio Gahona, Alberto Lagos and Fabián Retamal, Gestión de la Producción, Chile

(A62) Lean Transformation at Molymet Ninos Operation
Oscar Ley and Ricardo Araya, Molymet, Chile; Diego Zamorano and Laura Mottola, Flow Partners, Chile and Canada

(A73) Lean Construction applied to Underground Mine Development
Carmen Vega, El Teniente Division, Codelco, Chile; Carolina Aliaga, Codelco, Chile; Luis Miguel López, McKinsey, Colombia and Borja Olazabal, McKinsey, Spain

Process Improvement and Technology Innovation (31)

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Matías Benavides, Angelo Hermosilla and Diego Cáceres, Komatsu, Chile

(A02) Classification of Haul Truck’s Spotting Time on Shovel Double Spot Loading Pattern
Sebastián Seria, Daniel González and Diego Cáceres, Komatsu, Chile

(A04) Improving Productive Gaps by Process Controlling: Division Radomiro Tomic, Codelco
Andrés Mujica and Estefania Herrera, Radomiro Tomic Division, Codelco, Chile

(A05) Analytic-Predictive Training Model: División Radomiro Tomic, Codelco
Alejandro Canelo and Andrés Mujica, Radomiro Tomic Division, Codelco, Chile

(A10) Inline Characterization of Mining Slurries by Ultrasonic Velocity Profile Technique (UVP)
William Montes, Pamela Garrido and César Moscoso, Centro de Investigación, CI-JRI, Chile

(A11) Obtaining Barite from the Tailings: Cerro Lindo Nexa Resources Peru
Cesar Matias and Gustavo de la Torre, Nexa Resources, Peru
(A13) Simulation of the Progressive Impact of Continuous Vibrations Generated by Blasting on the Stability of Buildings
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(A15) Stochastic Analysis for the Geotechnical Design in Open Pit
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(A18) Smart Mining Coach: Big Data and Intelligent Technology to Leverage People’s Performance
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(A21) HP-GPS Signal Availability for High Precision Positioning
Gabriel Ibarra, Eleazar Quiñimil and Martin Toro, Geocom, Chile

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(A25) Metallurgical Research for the Increase of Copper, Lead and Silver Recovery: Cerro Lindo
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(A30) Scheduling in Mining Industry through Simulation Processes
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### Asset Management, Maintenance and Supply Chain

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