

44th Annual Canadian Mineral Processors Operators Conference
Technical Program

Tuesday, January 17 th Morning Session: Operations	Wednesday, January 18 th Morning Session: Flotation	Thursday, January 19 th Morning Session: Advanced Technologies
<p>8:20 Opening Remarks</p> <p>8:30 Plenary Presentation Significant Canadian Developments in Mineral Processing Technology over the Past 50 Years <i>J.E. Nessel, NesseTech Consulting Services Inc.</i></p> <p>9:20 Update of Chilean Mining Projects and Technological Trends <i>J. Rosas, Hatch-Chile</i></p> <p>9:45 Coffee Break</p> <p>10:15 Z1600 Jameson Cell Test Rig - from Rental to Revenue <i>Andrew Taylor, Vale</i></p> <p>10:40 Concentrate grade and regrind size improvement on the East Pit Hypogene Ore at Kemess Mine <i>M. Brissette, SGS Canada Inc.</i></p> <p>11:05 Applying a Customer-Based Approach at Vale's Clarabelle Mill <i>R. Barrette, Vale</i></p> <p>11:30 Diagnosis of the Operation of a Hydraulic Classifier for Iron Ore Concentrate <i>M. Desnoyers, ArcelorMittal Mines</i></p>	<p>8:30 Canatuan Cu/Zn Flotation Metallurgy - Dealing with Zinc Pre-Activation <i>C.V. Umpig, TVI Resource Development</i></p> <p>8:55 Constrained Multivariable Control of a Pilot Flotation Column at the Laronde Concentrator <i>René del Villar, Laval University</i></p> <p>9:20 A Benchmarking Tool for Assessing Flotation Cell Performance <i>J.E. Nessel, NesseTech Consulting Services Inc.</i></p> <p>9:45 Coffee Break</p> <p>10:15 An Overview of Optimizing Strategies for Flotation Banks <i>M. Maldonado, McGill University</i></p> <p>10:40 Nanoparticle Flotation Collectors for Pentlandite <i>Songtao Yang, McMaster University</i></p> <p>11:05 Innovations in reagent technology - xanthate replacements and new modifiers <i>Tarun Bhambhani, Cytec</i></p> <p>11:30 Development of Processing Alternatives for Frankfield East Deposit using Selective Arsenopyrite-Pyrite <i>G. Wilcox, Gowest Gold Ltd.</i></p>	<p>8:30 Membrane Technology Applications in Mineral Processing Plants <i>R. Cameron, CANMET-MMSL</i></p> <p>8:55 Development and Testing of a More Effective Froth Handling Pump <i>Rober J. Visintainer, GIW Industries Inc.</i></p> <p>9:20 Comparison of Flotation Grade Dynamics Enabled by Real-Time Measurement <i>Karen Keet, Blue Cube Systems</i></p> <p>9:45 Coffee Break</p> <p>10:15 Implementing Best Practices of Metal Accounting at the Strathcona Mill <i>Luc Lachance, Algosys</i></p> <p>10:40 In-Plant Hydrogeochemical Mapping: A Tool to Localise Potential Deleterious Reactions due to Water Quality in a Process <i>Stephanie Somot, Corem</i></p> <p>11:05 Triboelectric Belt Separator for Beneficiation of Fine Minerals <i>James Bittner, Separation Technologies</i></p> <p>11:30 Characterising Ore Microtexture using X-Ray Micro-Tomography <i>Cathy Evans, Julius Kruttschnitt Mineral Research Centre</i></p>
Tuesday, January 17 th Afternoon Session: Rare Earths, Industrial and Energy Minerals	Wednesday, January 18 th Afternoon Session: Gold and Hydrometallurgy	Thursday, January 19 th Afternoon Session: Comminution
<p>13:30 Rare Earth and Thorium Recovery in Canada <i>J.R. Goode, J.R. Goode and Associates</i></p> <p>13:55 A Review of Rare Earth Mineral Processing Technology <i>Jack Zhang, Saskatchewan Research Council</i></p> <p>14:20 A Preliminary Comparison of Coal Classification and Processing Between Canada and China <i>Ting Lu, Wardrop Engineering Inc.</i></p> <p>14:45 Coffee Break</p> <p>15:15 Secondary Recovery of Bitumen using Jameson Downcomers <i>O. Neiman, Syncrude Canada</i></p> <p>15:40 An overview of potash flotation <i>M. Oliazadeh, Hatch Canada</i></p> <p>16:05 An overview of spodumene beneficiation <i>Massoud Aghamirian, SGS Canada Inc.</i></p>	<p>13:30 An overview of the Li₂CO₃ process flow sheet for concentrates derived from hard rock Li sources <i>Steve Mackie, SGS Canada Inc.</i></p> <p>13:55 Error Associated with the Sampling of Gold Ores <i>Claude Bazin, Laval University</i></p> <p>14:20 Gold Passivation: Some Fundamental Issues to Highlight <i>C. Olsen, Corem</i></p> <p>14:45 Coffee Break</p> <p>15:15 Goldex, The GRG Jewel <i>Michael Fullam, Knelson</i></p> <p>15:40 Gold recovery from thiosulphate pregnant solutions using ferrous salts <i>Xia, Chen, CANMET-MMSL</i></p> <p>16:05 The Limitations of Activated Carbon in CIL Circuits Handling Preg Robbing Solids <i>Van Weert, Gus,</i></p>	<p>13:30 Tendencies and Considerations for Energy Efficiency in SAG Mill Circuit Design from Recent Projects in Chile <i>C. Schuffeneger, Hatch-Chile</i></p> <p>13:55 Using MillMapper to Reduce Milling Costs and Improve Performance <i>Peter Clarke, Scanalyse</i></p> <p>14:20 Inspection Techniques - Non-Destructive Evaluation - Mill Gear Inspection Using Eddy Current Array (ECA) Combined with Alternating Current Field Measurement (ACFM) <i>Tom Shumka, Global Inspections-NDT, Inc.</i></p> <p>14:45 Coffee Break</p> <p>15:15 Predicting the Effect of Grinding Media Size Distribution on the Performance of a Ball Mill using Discrete Element Method <i>Sami Makni, COREM</i></p> <p>15:40 Improvements in HPGR and Grinding Mill Technology <i>Steven Hall, Hofmann Engineering</i></p>