### Program at a Glance

#### Day 1

<table>
<thead>
<tr>
<th>Morning Sessions</th>
<th>Time</th>
<th>Session 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Least of 3 Keynote/Plenary Talks</td>
<td>09.00-09.15</td>
<td>5 Speakers (20 Mins Each)</td>
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<tr>
<td></td>
<td>09.15-09.45</td>
<td>Keynote/Plenary Talk 1</td>
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<tr>
<td></td>
<td>09.45-10.15</td>
<td>Keynote/Plenary Talk 2</td>
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<td></td>
<td>10.15-10.45</td>
<td>Keynote/Plenary Talk 3</td>
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<tr>
<td></td>
<td>11.00-12.40</td>
<td>5 Speakers (20 Mins Each)</td>
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<tr>
<td>Evening Sessions</td>
<td>12.35-13.30</td>
<td>6 Speakers (20 Mins Each)</td>
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<td></td>
<td>13.30-15.05</td>
<td>Coffee/Tea Break 15.30-15.45 (Networking)</td>
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<tr>
<td></td>
<td>15.45-17.25</td>
<td>5 Speakers (20 Mins Each)</td>
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</tbody>
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#### Day 2

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 1</th>
<th>Session 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>09.00-10.40</td>
<td>5 Speakers (20 Mins Each)</td>
<td>5 Speakers (20 Mins Each)</td>
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<tr>
<td></td>
<td>Coffee/Tea Break 10.40-10.55 (Networking)</td>
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<tr>
<td>10.55-12.35</td>
<td>5 Speakers (20 Mins Each)</td>
<td>5 Speakers (20 Mins Each)</td>
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<td>Lunch Break 12.35-13.25</td>
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<tr>
<td>13.25-15.05</td>
<td>5 Speakers (20 Mins Each)</td>
<td>5 Speakers (20 Mins Each)</td>
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<td></td>
<td>Poster Sessions</td>
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<tr>
<td>15.20-17.00</td>
<td>5 Speakers (20 Mins Each)</td>
<td>5 Speakers (20 Mins Each)</td>
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<tr>
<td></td>
<td>Coffee/Tea Break 15.05-15.20 (Networking)</td>
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</table>
### Organizing Committee Forum

**Title:** Carbon dioxide sequestration using minerals  
*Vasant Kumar, University of Cambridge, UK*

**Title:** Recent Developments on Deformation Twinning in Metallic Materials  
*Ankem Sreeramamurthy, University of Maryland, USA*

**Title:** Cavability control by hydraulic fracturing for top coal caving in hard thick coal seams  
*Bingxiang Huang, China University of Mining and Technology, China*

**Title:** Geomechanical Analysis Of The Longwall Mining In Thick Coal Deposit  
*Jakob Likar, University of Ljubljana, Slovenia*

**Title:** Thermo mechanical characterization of Thermal Barrier Coatings using microtesting technique  
*Jakob Likar, University of Ljubljana, Slovenia*

**Title:** Simulation of dust particle flows in systems of dedusting ventilation  
*Konstantin Logachev, Belgorod State Technological University, Russia*

### Featured Speakers

**Title:** Thermo mechanical characterization of Thermal Barrier Coatings using microtesting technique  
*Amit Pandey, Johns Hopkins University, USA*

**Title:** Atomistic Simulation of Slags in the Molten State  
*Anton S. Lopis, Centre for High Performance Computing, South Africa*

**Title:** Hydrometallurgical beneficiation of tantalite  
*Walter Purcell, University of the Free State, South Africa*

**Title:** “Practical” Geometallurgy and Its Role in Mining  
*Stacey Leichliter, University of Tasmania, USA*

**Title:** Removal of manganese (II) ion from acid mine drainage using zeolite and calcium Bentonite  
*Busisiwe Nzolo, Tshwane University of Technology, South Africa*

**Title:** In-Plant Demonstration of a Novel Automation System for Coal Spirals  
*Manoj Mohanty, Southern Illinois University Carbondale, USA*

**Title:** Numerical Modeling and Field Measurements of Ground Movements while Crossing a Geologic Fault in a Longwall Mining Method  
*Yoginder P. Chugh, Southern Illinois University Carbondale, USA*

**Title:** Assessing the health challenges affecting site welded stainless steel pipe fabrication  
*Tony Paterson, University of the Witwatersrand, South Africa*

**Title:** Optimization of operating variables for production of ultra-fine talc in stirred mill: specific surface area investigations  
*Oner Yusuf Toraman, Nigde University, Turkey*

**Title:** Title: Knowledge Based Production Optimization in Open-Pit Mining  
*Muhammad Asim Qureshi, Curtin University Perth Australia, Australia*

**Title:** Title: An overview of the global supply chain of some strategic minerals  
*Pedro Bottesi Neto, Micro Minerals Ltd, Brazil*
Title: Effect of Zr-Ti combined deoxidation on the microstructure and mechanical properties of high-strength low-alloy steels
Wu Kaiming, Wuhan University of Science and Technology, China

Title: Effect of crystallographic texture on mechanical and anisotropic behavior in HSLA grade-420 steel under various thermomechanical paths
Mohammad Masoumi, Universidade Federal do Ceará, Brazil

Title: Comparison of the effect of high magnetic field and austenite deformation on ferrite transformation in an Fe-C-Mo alloy
Zhang Guohong, Wuhan University of Science and Technology, China

Title: Internal forces in segmental tunnel linings—a comparison between current design methods
Daniel DIAS, Grenoble Alpes University, France

Title: Microstructure characteristic and accompanying impact toughness in YS690MPa steel weld metal for offshore structures
Wan Xiangliang, Wuhan University of Science and Technology, China

Title: Survey of Physico-Mechanical Properties of Regoliths from Doleritic Gabbros of Evelessi (South Cameroon) For Their Valorization in Road Construction
Wongolo Djombol, University of Yaoundé 1, Cameroon

Title: Cavability control by hydraulic fracturing for top coal caving in hard thick coal seams
Bingxiang Huang, Wuhan University of Science and Technology, China

Title: Effect of metal, intermetallic and ceramic nanoparticles on structure-sensitive and thermophysical properties of Sn-based lead-free solder materials
Yuriy Plevachuk, Lviv University, Ukraine

Title: Substantiation of new reagent modes for gold-sulphide flotation of refractory ores
Tamara Matveyeva, Russian Academy of Sciences, Russia

Title: Physical, Chemical and Mineralogical Characterization of Fluorspar Flotation Tailings
Thembelihle Portia Lubisi, University of Johannesburg, Johannesburg

Title: A study of organic working fluids of an organic Rankine Cycle for solar concentrating power plant
Dennoun SAIFOUI, Hassan II University of Casablanca, Morocco

Title: “AeroSet” software package as a universal tool of mine microclimate conditions forecasting and ventilation system parameters optimization
Artem V. Zaitsev, Russian Academy of Sciences, Russia

Title: Enhancement of mine ventilation energy efficiency based on mathematical methods of airflows and heat distribution forecasting and ventilation system parameters optimization
Lev Yu. Levin, Belgorod State Technological University, Russia

Title: Novel Trends in nanotechnology for Human Health and industrial decontamination
Raad S.Sabry, University of Al-Mustansiriyah, Iraq

Title: Fabrication of Polyaniline/Graphene Oxide Nanocomposites by Liquid/Liquid Interfacial Polymerization methanol gas sensor
Surajit Konwer, Dibrugarh University, India

Title: Study of Different Multiferroic materials for their Magnetoelectric and Magnetodielectric properties
Salunkhe, Karmaveer Bhauroa Patil Mahavidyalaya, India

NOTE: Program Schedule is subject to change with final allotment of the speaker slots
For more Details PS: http://mining-metallurgy.conferenceseries.com/
mining@omicsgroup.com | mining@conferenceseries.net
Best Tourist Destinations in South Africa

- Addo Elephant National Park
- Augrabies Falls
- Bathurst
- Boulders Beach
- Blyde River Canyon
- Cango Caves
- Bush Babies Monkey Sanctuary
- Durban Beachfront – The Golden Mile
- Cape Point Nature Reserve
- Gold Reef City
- Franschhoek Motor Museum
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