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Technical Program - September 26, Friday | 5:00 PM - 9:00 PM



= Great Hall Q1 & Q2



= Mezzanine M3



= Mezzanine M4

5:00 to 9:00 PM	Opening Event
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5:15 PM to 5:45 PM	Mineral Security in a Changing World...N/A <i>Daniel Franks (Invited Speaker)</i>
6:00 PM to 6:30 PM	Value of Economic Geology to Society (Panel Discussion)...N/A <i>Rick Valenta (Chair) Brad Welsh, Caoilin Chestnutt, Peta MacRae, Marina Costelloe, Daniel Franks</i>
6:30 PM to 7:00 PM	SEG Presidential Address...N/A <i>Anne Thompson, SEG President 2025</i>
7:00 PM to 9:00 PM	Welcome Reception in Exhibit Hall Sponsored by BHP Xplor

Technical Program - September 27, Saturday | 8:00 AM - 10:30 AM

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08:10 AM to 08:15 AM	Geology and Mining: Introduction to the New SEG Publication...N/A <i>Dan Wood, Co-editor</i>
08:15 AM to 08:30 AM	Opening Address...N/A <i>Tim O'Connor, Group Exploration Officer, BHP</i>
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	Royalty Creation Through Prospect Generation and Acquisition...N/A <i>Marc Tran</i>
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	Discovering Labrador's Critical Metal Deposits, Primarily Copper...N/A <i>Tyrell Sutherland</i>
	Multi-Commodity Exploration Prospectivity of Saudi Arabia...N/A <i>Oliver Jones</i>
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Technical Program - September 27, Saturday | 2:00 PM - 8:00 PM

Mezzanine M4



Mezzanine M3



Great Hall Q1 & Q2



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Technical Program - September 28-29, Sunday 12:00 PM - Monday 9:30 AM

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Mezzanine M3

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September 28, Monday | 8:00 AM - 9:30 AM

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Speed Talks (1-Minute Breaks Between Talks)

Saturday, September 27

Morning Talks 10:35 AM - 11:00 AM

10:35 AM - 10:40 AM	Andradite U-Pb Dating at the Ernest Henry IOCG deposit, NW Queensland: Constraints on the Timing of Cu-Au Mineralization (see page 330) <i>J. Steadman</i>
10:41 AM - 10:46 AM	Geology and Age of the Granite Related Metasomatic Overprinting of the Rosebery VHMS Deposit (see page 243) <i>Vinicius Godoi Pereira Da Cruz</i>
10:47 AM - 10:52 AM	Tracing Cu-Au Ore-Forming Processes in the Proterozoic Elaine Dorothy Skarn Deposit, Mount Isa (Queensland, Australia), Using In-Situ Sulphide Mineral Compositions (see page 305) <i>Catherine Nyakecho</i>
10:52 AM - 10:53 AM	Morning Wrap-up

Late Afternoon Talks 3:35 PM - 4:00 PM

3:35 PM - 3:40 PM	The Application of Unsupervised Machine Learning to Identify Geochemical Associations with Geological Domains of Nickel Laterite Deposit in Sorowako, Indonesia (see page 434) <i>Alya Sevy Setiawan</i>
3:41 PM - 3:46 PM	Ore Vectoring Using Machine Learning: Case Study of Copper Occurrences in Northern Ireland (see page 413) <i>Felix Sihombing</i>
3:47 PM - 3:52 PM	Breakthrough Hydrogeochemical Techniques for Exploration and Heap Leaching (see page 437) <i>Adam Simon</i>
3:53 PM - 3:58 PM	Thermodynamic Modelling and Trace Element Partitioning as Predictive Tools for REE-Enrichment in Alkaline-Silicate Igneous Systems (see page 411) <i>Corinne Frigo</i>
3:58 PM - 3:59 PM	Late Afternoon Wrap-up

Sunday, September 28

Morning Talks 10:35 AM - 11:00 AM

10:35 AM - 10:40 AM	Deciphering the Role of Remobilisation in the Formation of High-Grade Gold Deposits (see page 176) <i>Sumail</i>
10:41 AM - 10:46 AM	Applications of Mineral Chemistry to Petrogenesis and Exploration in the Borralan Carbonatite Complex and Associated Alkaline Silicate Rocks (see page 178) <i>Abdulkadir Mohamed Abdulkadir</i>
10:47 AM - 10:52 AM	Chile's First Defined Intrusion-Related Gold System: Ternera's Hydrothermal Footprint in the El Zorro Gold District (see page 237) <i>Eduardo Fritis</i>
10:52 AM - 10:53 AM	Morning Wrap-up

Afternoon Talks 12:45 PM - 1:45 PM

12:45 PM - 12:50 PM	National-Scale Critical Mineral and Strategic Material Potential Assessments to Support Decision-Making in the Net Zero Transition (see page 171) <i>Arianne Ford</i>
12:51 PM - 12:56 PM	Empowering Exploration with National Scale Maps (see page 173) <i>Nichole Knepprath</i>
12:57 PM - 1:02 PM	Archaean BIFs from Karnataka, India: genetic insights from the Dharwar craton, India, and implications for post-depositional hematitic iron deposits (see page 175) <i>Perumala Venkata Sunder Raju</i>
1:03 PM - 1:08 PM	Chromite and Sulphide Mineralization of the Uitloop Ultramafic Bodies in the Northern Limb of the Bushveld Complex, South Africa (see page 174) <i>Mabatho Mapiloko</i>

1:09 PM - 1:14 PM	Evaluating the Tectonic and Climatic Controls on Sediment-Hosted Ore Deposits in Deep Time (see page 166) <i>Sheree Armistead</i>
1:15 PM - 1:20 PM	Building Recognition, Trust and Confidence through Good Practice: An Example from the Research Ireland Centre for Applied Geosciences (iCrag) (see page 364) <i>Shonny Lehane</i>
1:21 PM - 1:26 PM	Zr-Nb-REE Enriched Alkaline Silicate Magmatism in Victoria (see page 363) <i>Tom Andrews</i>
1:27 PM - 1:32 PM	Resourcing Western Australia - Mineral, Geochemical and Isotopic Datasets to Accelerate the Discovery of Critical Mineral Resources in Western Australia (see page 367) <i>Rose Turnbull</i>
1:33 PM - 1:38 PM	Systems-Thinking to Tackle the Impending Economic Geologist Crisis (see page 366) <i>Elizabeth Sharman</i>
1:39 PM - 1:44 PM	The Immortality of Hydrocarbons in an Era of Green Industrialisation: The Case of 'Drill Baby Drill'...N/A <i>Shepherd Nyambe</i>
1:44 PM - 1:45 PM	Afternoon Wrap-up

Monday, September 29

Morning Talks 10:35 AM - 11:00 AM

10:35 AM - 10:40 AM	Secondary Prospectivity of Mine Wastes from the Thalanga, Highway-Reward and Balcooma Volcanic-Hosted Massive Sulphide Deposits (see page 368) <i>Rosie Blannin</i>
10:41 AM - 10:46 AM	Cobalt Trace Element Mineralogy and Geometallurgy in the Mount Lyell Copper Mine Tailings, Tasmania, Australia (see page 380) <i>Owen Missen</i>
10:47 AM - 10:52 AM	Geoenvironmental indicators using line scan hyperspectral and XRF core analyses for early AMD prediction in Northern Queensland ore deposits, Australia (see page 385) <i>Enrique Saez Salgado</i>
10:53 AM - 10:58 AM	Geoenvironmental Characterisation of the Abandoned Elverdton Mine Tailings, Western Australia...N/A <i>Pamela Curi Rivera</i>
10:58 AM - 10:59 AM	Morning Wrap-up

Afternoon Talks 12:45 PM - 1:45 PM

12:45 PM - 12:50 PM	From Source to Sink, Geochemical and Mineralogical Dynamics of Sediment-Associated Metal(loid)s in an Acid Mine Drainage-Affected River (see page 375) <i>Elin Jennings</i>
12:51 PM - 12:56 PM	Process Mineralogical Constraints on the Recovery of Platinum Group Metals via Direct Leaching of UG2 Ore in the Bushveld Complex (see page 382) <i>Nonhlanhla Ndlovu</i>
12:57 PM - 1:02 PM	Machine Learning Approach to Automated Mineral Identification from RGB Reflected Light Microscopy (see page 397) <i>Kevin Brown</i>
1:03 PM - 1:08 PM	Getting the most out of drill hole data: meaningful and robust boundary detection tools (see page 421) <i>Ryan Manton</i>
1:09 PM - 1:14 PM	Smarter Use of Geochemistry and Machine Learning to Support Geological Domaining and Geometallurgical Modelling of Porphyry Cu Deposits (see page 412) <i>Melissa Gregory</i>
1:14 PM - 1:15 PM	Afternoon Wrap Up