

## PROGRAM TOPICS

### Nickel-Cobalt-Copper

#### *Including Hydromet Processing of Copper, Nickel & Cobalt Sulphides Forum & Panel*

- Nickel, cobalt and copper extraction and refining
- Pressure leaching
- Heap, tank and vat leaching
- In-situ leaching
- PAL of laterites
- Processing of subsea ores and nodules
- Processing of sulphides - pressure-ox, bio-ox, chloride leach, etc
- Ore upgrading technology
- Plant design and operation reviews and issues
- New and developing projects
- Application of mineralogy and geometallurgy
- Testwork, scale-up, process development and modelling
- Purification, preparation and recovery by SX, IX, EW, precipitation etc
- SX plant fire protection
- Solid/liquid separation and clarification
- Application of membranes
- New technology developments, applications and experience
- Materials of construction and corrosion
- Equipment design and reagent developments
- Tailings disposal and environmental

### In Situ Recovery (ISR) Symposium

#### *Concludes with discussion and Q&A*

- In situ testwork, design and operation
- Developments in uranium ISR
- Application to other metals
- Technology for enhancing orebody permeability
- Environmental protection and remediation
- Lessons learned from ISR operations
- Geometallurgical implications
- Social, community and regulatory aspects
- In situ orebody characterisation
- Mineral and gangue chemistry
- Lixiviant selection and leach chemistry
- Product recovery

### Uranium-REE-Li

#### *Including Lithium Processing Forum & Panel*

- Uranium ore treatment processes
- Recovery and refining of REE
- Recovery and refining of lithium
- Recovery and refining of scandium
- Operational reviews and issues
- New technology developments, applications and experience
- Ore upgrading technology
- Recovery of other products - vanadium, base metals
- By-product uranium from phosphoric acid, copper leaching, etc
- Plant design
- Application of mineralogy and geometallurgy
- New and developing projects
- Heap, vat and tank leaching
- Testwork, scale-up, process development and modelling
- In-situ leaching
- Solid/liquid separation and clarification
- SX/IX/CIX/RIP/RIL and precipitation processes
- Application of membranes
- Equipment design and reagent developments
- Tailings, environmental and safety issues
- SX plant fire protection
- Materials of construction and corrosion

### Gold-PM

#### *Including Refractory and Complex Gold Ores Forum & Panel*

- Refractory and complex ore treatment - ultrafine grinding, pressure-ox, bio-ox, roasting
- Processes for ores with copper, arsenic, mercury, antimony
- New and developing projects
- Heap and vat leaching
- Cyanidation, CIP and CIL
- In-situ leaching
- Elution and gold room technology
- Gravity treatment and intensive cyanidation
- Recovery of silver and precious metals
- Application of membranes
- Operation reviews and issues
- Application of mineralogy and geometallurgy
- Cyanide recovery, recycle, detox and alternative reagents
- Alternative leaching mediums - chloride, thiosulphate, bromide etc
- Solid/liquid separation and clarification
- New technology developments, applications and experience
- Plant design and new project reviews
- Testwork, scale-up, process development and modelling
- Equipment design and reagent developments
- Tailings environmental and safety issues
- Sampling, instrumentation and control