

# HYDROMETALLURGY 2019

II INTERNATIONAL CONGRESS ON HYDROMETALLURGICAL  
& ELECTROMETALLURGICAL PROCESSES

LIMA, APRIL 11 - 12, 2019



SOL DE ORO  
HOTEL & SUITES  
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Calle San Martín 305 Miraflores - Lima - Perú

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# HYDROMETALLURGY 2019



## ORGANIZING COMMITTEE



**Chairman of Hydrometallurgy 2019**  
**Eng. Daniel Yataco**  
Plant Manager Justa Mine, MARCOBRE



**Eng. Percy Mayta**  
Process Plant & Water  
Management Manager  
Lagunas Norte, Barrick



**Eng. José Luis Tenorio**  
Plant Metallurgist & Process Control Leader.  
Leach- SX – EW Toquepala Southern Peru



**Dr. Fathi Habashi**  
International Expert in  
Hydrometallurgy



**Dr. Corby Anderson**  
Professor Department of Metallurgical and  
Materials Engineering at the Colorado  
School of Mines.



**Dr. David Dreisinger**  
Hydrometallurgical  
International Consultant



**Dr. Dandy Calla**  
Hydrometallurgical International Consultant  
Postdoctorate Researcher in Universidad  
Autónoma Metropolitana , Iztapalapa



# HYDROMETALLURGY 2019 - PROGRAM

THURSDAY APRIL 11, 2019

07:30 am Registration.

## SESSION I : OPENING

- 08:25 am Welcome words from the Organizing Committee.
- 08:45 am Differences in size distribution of conventional and HPGR crushing and impact in the leaching process. **Daniel Yataco. Mina Justa. MARCOBRE.Peru.**
- 09:10 am Hydrometallurgy, brief history and application in Peru. **Diogenes Uceda. International Consultant. Peru.**
- 09:35 am The feasibility of lead metal production at Leadfx's Paroo Station Lead Mine in Western Australia. **David Dreisinger. University of British Columbia. Canada.**
- 10:00 am Outotec pressure leaching process for copper concentrates. **Marko Lampi. OUTOTEC. Finland.**
- 10:25 am **COFFEE BREAK 1**

## SESSION II : LEACHING AND INNOVATIONS

- 11:00 am Metals through the Ages: Their Discovery and Isolation. **Fathi Habashi. Laval University. Canada.**
- 11:25 am Advanced recovery of metals using new membrane technologie. **Jaime Simpson Alvarez. Nueva Ancor Tecmin, Chile.**
- 11:50 am Improvement of efficiency in heap leaching using a new wetting reagent. **Hector Yañez. BASF. Chile.**
- 12:15 pm Copper concentrate leaching using the Galvanox process. **David Dreisinger. University of British Columbia. Canada.**
- 12:40 pm Ferric leaching of chalcopyrite and its dependence with the galvanic effect of pyrite. **Jose Mamani. University of Chile.**
- 13:05 pm **LUNCH I**

## SESSION III : COPPER SOLVENT EXTRACTION

- 14:20 pm Reduction of Crud formation in SX through ACORGA® CR60; Industrial Case. **Rodrigo Zambra. Solvay. Chile.**
- 14:55 pm Considerations in the Design of SX-EW Plants for the Control of Entrainments. **Percy Mayta. Barrick Gold. Peru.**
- 15:20 pm Selection of Reagents for Solvent Extraction Plants. **Jose Luis Tenorio. Southern Peru.**
- 15:55 pm Considerations in SX for the PLS treatment from concentrate leaching. **Edgar Ricce. Solvay. Peru.**
- 16:20 pm **COFFEE BREAK 2**

## SESSION IV : GOLD PROCESSES I

- 16:55 pm GOLDSORB 4500 activated carbon selectivity property and the benefits in Au adsorption. **Rodolfo Conocc. C & V International. Peru.**
- 17:20 pm Geographic information System applied to Heap Leaching. **Jonatan Pinedo. Peru.**
- 17:55 pm Increase of efficiency of the ADR plant and its impact on the reduction of mercury production. **Jose Vidarte. EMC2 Consulting. Peru.**
- 18:20 pm The use of non-cyanide lixivants for gold extraction. **David Dreisinger. University of British Columbia. Canada.**
- 18:50 pm **WELCOME COCKTAIL**



# HYDROMETALLURGY 2019 - PROGRAM

**FRIDAY APRIL 12, 2019**

07:30 am Registration.

## SESSION V : HYDROMETALLURGY AND INNOVATIONS

- 08:25 am Sepon Copper process – optimization of the Solvent Extraction Plant. **Leonardo Paliza. LXML Copper Mine. Laos.**
- 08:50 am Improvement of the recovery process of silver with thiourea from an industrial Jarosite. **Dandy Calla. Autonomous Metropolitan University. Mexico.**
- 09:15 am The selective separation and stabilization of arsenic from primary and secondary sources. **Corby Anderson. Colorado School of Mines. USA.**
- 09:40 am Improved of chalcopyrite leaching in high chloride agglomerated ore and prolonged curing. **Lilian Velasquez. University of Santiago. Chile.**
- 10:05 am Treatment of Bornite concentrate followed by leaching in chloride acid media. **Patricio Navarro. University of Santiago. Chile.**
- 10:30 am **COFFEE BREAK 3**

## SESSION VI : ELECTROMETALLURGY

- 11:05 am LateraxVex and LateralFlow technology application in Antucoya Mine EW. **Rodrigo Villaroel. AS Composites. Chile.**
- 11:30 am Hoody : new equipment concept for removal of acid mist. **Jose Francisco Antunes. Green Composites. Chile.**
- 11:55 am Tankhouse ventilation in Non-Ferrous Metals Electrowinning. **Alex Lillo. METALEX. Chile.**
- 12:25 pm Laboratory validation of the bromatometric method for the quantification of arsenic (III) in the copper electrolyte of Ilo refining. **Takeshi Pablo Tanohuye. Southern Peru.**
- 13:00 pm **LUNCH II**

## SESSION VII : PLANTS

- 14:20 pm SX operation under high chloride content conditions. **Juan Carlos Sanchez. Solvay. Peru.**
- 14:55 pm Content control optimization of Cu, H<sub>2</sub>SO<sub>4</sub> and impurities in the electrolyte. **Angel Villanueva. Southern Peru. Ilo Refinery.**
- 15:20 pm Gold and Silver Electrowinning in cyanide solutions with low metal concentration. **Andres Aleuy. Argentina.**
- 15:55 pm Pressure Hydrometallurgy. An Update. **Fathi Habashi. Laval University. Canada.**
- 16:20 pm **COFFEE BREAK 4**

## SESSION VIII : PLANTS APPLICATIONS & GOLD PROCESSES II

- 16:55 pm First commercialization of the Albion Process™ for copper. **Christian Pasten. Glencore Technology. Australia.**
- 17:15 pm How to estimate gold production from heap leaching – model used in Tantahuatay Mining Unit. **Jonatan Pinedo. Peru.**
- 17:35 pm Treatment of refractory gold minerals. **Diogenes Uceda. International Consultant. Peru.**
- 17:55 pm Study of Sulphur minerals with content of arsenic, for gold recovery. **Luis Gutierrez. Nuestra Señora Virgen del Rosario Mine. Peru.**
- 18:15 pm Pre-spraying in leaching platform to increase extraction in fine gold zones. **Luis Santiago Andres. Cia de Minas Coimolache S.A. Peru.**

**06:50 pm CLOSING, COCKTAIL AND DISTRIBUTION OF CERTIFICATES**

