



IPMI 43RD ANNUAL CONFERENCE JUNE 15-18, 2019

Technical Chairs Zachary Henneman and Eric Frueh

DAY I SATURDAY JUNE 15, 2019

- **8:00-5:00pm** **Registration** **Sorrento 4**
 - **8:00am Start** **Golf Tournament** **Lobby 7 am**
 - **5:00-6:00pm** **Student Meet and Greet** **Sierra Top Floor**
 - **6:00-8:00pm** **Welcome Reception** **Tuscany D-F**
- Sponsored by Gannon and Scott**
- **8:00-10:00pm** **Johnson Matthey Reception** **Naples 6-7**
 - **IPMI Lounge Sponsored by PGM of Texas** Lounge Located in Sorrento 3 **Registration Snacks**
Sponsored by Dillon Gage

DAY 2 SUNDAY JUNE 17 CONT'D

- 1:30-3:30pm **Session A The World of Metals Finance** **Capri 2**
 - 3:30-4:30pm **Beverage Break with the Experts** **Naples 1**
 - 4:30-5:30pm **Young Professionals Meet and Greet** **Naples 3-5**
- Sponsored by Mastermelt Group of Companies**
- 3:30-5:30pm **Registered Spouse Art Gallery Tour** **Meet in Lobby**

SESSION A THE WORLD OF METALS FINANCE
CAPRI 2 1:30-3:30PM
MODERATOR JONATHAN BUTLER

- **Keith Weiner** , How to Analyze the Fundamentals of the Gold and Silver Markets
- **Matt Keen** , Future of the Supply Chain: Why It's Time to embrace Blockchain
- **Neil Meader** , The Price Impact of Structural Changes in Silver's Fundamentals
- **Matt Watson** , Platinum Group Minor Metals & Palladium: Where the Action Is
- **Dr Jonathan Butler** , How to Solve a Problem Like Palladium
- **Panel Discussion -Palladium Discussion**

**EXPERT BEVERAGE BREAK PANEL
NAPLES I 3:30-4:30PM
MODERATED BY ZIBI MILKIEWICZ**

- **John Dourekas, Kitco Metals**
- **Jonathan Butler, Mitsubishi**
- **Mike Reiss, Materials Management**
- **Claudio Ferrini, CLM Consulting**

SUNDAY EVENING JUNE 16

- 5:00-6:00pm **Patron Member Social** **Sierra Top Floor**
- 6:00-8:00pm **Tanaka/Metalor Reception** **Tuscany D-F**
- 8:30-10:00pm **“Evening on the Edge”** **Edge Nightclub**

Evening on the Edge, -Abbacadabra-The Ultimate Abba Tribute Show

Dessert and Cocktails

DAY 3 MONDAY JUNE 17

- **7:30am-8:30am**
Floor **Speakers Breakfast** **Sierra Top**
- **8:00-1:00pm** **Registration** **Sorrento 4**
- **8:00am-4pm** **Exhibit Hall** **Capri 3-4**
- **8:30am-12:30pm** **Session B Special Sessions** **Capri 1**
- **8:30am-12:30pm** **Session C Jewelry Session** **Capri 2**

SESSION B SPECIAL SESSIONS
SAMPLING AND MINING
830-1230 PM
CAPRI I
MODERATOR
MANOJ MOHANTY

- **Ashley Chancellor** , Flotation for Gold/Copper Ores at Newmont's Phoenix **Mines**
- **Carl Nesbitt** , Effects of Reduced Sulfur on the Recovery of Gold and Silver by Cyanide Leaching
- **Dan Kappes** , Technical Trends and Evolving Economics of the Global Gold Resources
- **Antti Vesin**, Value Proposition of Data Analytics to a Precious Metals Mine Backed Up With
Real Life Data

SESSION B CONT'D

- **Alexey Kornienko** , Finding Effective Routes for non-precious Metals Removal from Precious Metals Refinery's Flowsheet with Big-data Analysis.
- **Francis Pitard** , Good Sampling Practice as an Insurance Policy for Precious Metals Refiners Against Financial Losses
- **Keith Peterson**, Sub Sampling in the Lab
- **Panel Discussion**

SESSION C JEWELRY SESSION 830AM-1230PM
CAPRI 2
MODERATOR ZIBI MILKIEWICZ

- **Jenny Luker, PGI** , Marketing the Brand Platinum to Jewelry Consumers
- **Zibi Milkiewicz, Krastsvetmet** , Expanding Jewelry Supply Chain Decision Process
- **Fabio De Vito ,Violi Macchine:** Crushing Mills and Mixers - Technological Revolution
- **Ingo Wolf, Osmium Institute:** Will Platinum Group's Metal be Girls' New Friend?
- **Panel Discussion**

SESSION D NEW HORIZONS 1:00-3:00PM
CAPRI I
MODERATOR FEDERICO PADRONO MARTINI

- **Peter Jegou**, AGR Patent and Process
- **Federico Padrono Martini**, Advantages of Acidless Technology
- **Tyler Bazzoli**, Osmium: A Potential Alternative in PGM Applications
- **Charlie Fink**, iSense™: The Future of Advanced Diagnostics is Here
- **Dr Jonathan Butler**, PGMs in Hydrogen and Fuel Cells: progress and prospects
- **Steve Izatt**, Identification and Analysis of Platinum Group Value Chains in Europe and the United States

MONDAY EVENING JUNE 17

- **Sabin Metal Reception 6:00-8:00** **Tuscany**
- **Edge of Night Delegate Reception 8:00-10:00** **Edge Nightclub**

DAY 4 TUESDAY JUNE 18

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|------------------|---|-------------------------|
| • 7:30am-8:30am | Speakers Breakfast | Sierra Top Floor |
| • 7:30am-9:00am | Marketing Committee | Florence |
| • 8:00am-12pm | Registration | Sorrento 4 |
| • 8:00am-12pm | Exhibit Hall | Capri 3-4 |
| • 8:30am-11:00am | Session E Assaying, Recovery and Melting of Metals | Capri 1 |

Coffee Break Sponsored by Dillon Gage

Photo Booth Open in Exhibit Hall 9am-12:00pm

DAY 4 JUNE 18 CONT'D

- **8:30am-10:00am** **Session F AML** **Capri 2**
Compliance and Bankruptcy
- **10:30am-12:30pm** **Session G Responsible Sourcing** **Capri 2**
A Refining and Jewelry Perspective
- **12:30pm-1:30pm** **Student Lunch** **Sierra Top Floor**
- **1:30pm-4:30pm** **Session H Student Research** **Capri 1**

SESSION E ASSAYING, RECOVERY AND MELTING OF METALS
8:30-11:00AM
CAPRI I
MODERATED BY ZACH HENNEMAN

- **Charlie Fink**, History of Melting Technologies
- **Par Rosendahl**, History of Plasma Arc Technologies
- **Thomas Boundy**, Trends in Pyrometallurgy and PGM Catalyst Recycling
- **KC Lam** , Review of ISO System and use in PM Industry
- **Algis Naujokas**, Sampling and Analytics Council Update

SESSION F AML COMPLIANCY AND BANKRUPTCY
8:30 - 10:00AM
CAPRI 2
MODERATOR STEVE CROGAN

- **Steven Crogan** , AML Compliance Update
- **TBD** , Bankruptcy Proceedings
- **TBD** The Role of OFAC in Venezuelan Gold Sanctions
- **Brian Ledgerwood**, Precious Metals: Trade Policy Update and Global Market Briefing
- **Panel Discussion**

**SESSION G RESPONSIBLE SOURCING: A REFINING AND
JEWELRY PERSPECTIVE
10:30AM-12:30PM CAPRI 2
MODERATOR STEVE CROGAN**

- **Elan Farbiarz** , Metal Traceability: Responsible Sourcing and Ethical Practices
- **Ed Blight**, LBMA Guidelines
- **Brandee Dallow**, Responsible Jewellery Council: our mission to make the jewelry industry more responsible
- **Panel Discussion**

SESSION H STUDENT RESEARCH
130PM-440PM
CAPRI I
MODERATOR JONATHAN JODRY

Scheduled Participating Students

Tatsuya Higaki, Carnie Mellon Institute

Gold on Sharp Transition: from Non-Metallic Au_{246} to Metallic Au_{279}

Jaeyune Ryu, MIT

Exploring the Precious metal/water Interface under Electrochemical Polarization

SESSION H CON'TD

- **Jennifer Lee, University of Pennsylvania**
 - Tuning the Electrocatalytic Oxygen Reduction Reaction Activity of PtCo Nanocrystals by Cobalt Concentration with Atomic-Scale Understanding
- **Joseph Dennis, MIT**
 - Breaking the Base Barrier: Enabling the Use of Organic Bases in Palladium-Catalyzed Carbon-Nitrogen Cross-Coupling
- **Jingshan Du, Northwestern**
 - Accelerating Complex Nanomaterial Discovery Using A Combinatorial Polymer Nanoreactor Approach

SESSION H CONT'D

Van Tran, **Scrips Research Institute**

Activation of Diverse Carbon–Heteroatom and Carbon–Carbon Bonds via Palladium(II)-Catalyzed β -X Elimination

Po-Ni Lau, **University of Houston**

Design of Highly Efficient Yellow and Red Bis-cyclometalated Iridium Phosphors *via* Ancillary Ligand Modification

Liliang Huang, **Northwestern University**

Catalyst Design by Scanning Probe Block Copolymer Lithography

TUESDAY EVENING JUNE 18

- **6:00-7:00pm** **President's Reception** **Tuscany Foyer**
Sponsored by Hensel Recycling
- **7:00-9:00pm** **Awards Banquet** **Tuscany E-F**
- **9:00-10:30pm** **Closing Reception** **Tuscany D**