

PRECIOUS METALS NEWS

# A GREAT WAY TO START THE YEAR

TAKE ADVANTAGE OF EARLY REGISTRATION TO LOCK IN YOUR ATTENDANCE



**2024** LEGISLATIVE  
AND REGULATORY  
AFFAIRS COMMITTEE

★★★ WASHINGTON DC ★★★

**2024**  
WINTER  
MEETING

★★★

ORLANDO, FL











# LEGISLATIVE & REGULATORY AFFAIRS CONFERENCE



THE ARMY AND NAVY CLUB · WASHINGTON, DC · JANUARY 30-31, 2024

## PRELIMINARY AGENDA

### Tuesday, January 30th

Regulatory Outreach - Trading Rules  
Erin Middleton, CME

Precious Metal Markets Update  
Neil Meader, Metals Focus  
Mike DiRienzo, The Silver Institute

Break  
Sponsored by United PMR

Hydrogen, Fuel Cells and PGM Demand  
Mitsubishi Washington

PART Act and  
IPMI Lobbying Progress  
Rick Spees, Akerman LLP

Reception  
Sponsored by FidelityTrade

Seafood Buffet

### Wednesday, January 31st

Continental Breakfast  
Sponsored by Sabin Metals Corporation

Euro 7 and PGM Impact  
Dirk Bosteels, Joachim Demuynck  
Association for Emission Control Catalyst (AECC)

Silver: Ongoing Regulatory Challenges in the EU  
France Capon, European Precious  
Metal Federation

Break  
Sponsored by PMR

Adherence to Sound Practices in  
the Precious Metals Market  
With Continuous Learning  
Rui Correia, ACI FMA

Critical Minerals and Metals Activities  
John Meakem,  
Critical Minerals and Metals Industry & Analysis  
US Department of Commerce

Washington Update  
Paul Miller, Miller Weingold LLP

Lunch  
Sponsored by Techemet

Reserve your spot!  
Space is limited

Registration:

Members \$425  
Non-Members \$525

**REGISTER**







# 2024 WINTER MEETING



**ORLANDO, FL**

FEBRUARY 20-22, 2024

## PROGRAM

**Tuesday, February 20th**  
Security and Anti Money  
Laundering Day (SECAM)

**Wednesday, February 21st**  
PGM Refining Day (PGMRC)

**Thursday, February 22nd**  
Sampling and Analytical Day (SAC)

*\* Sponsorships are Available. Please contact Sandra  
at [mail@ipmi.org](mailto:mail@ipmi.org) for more information.*



### Early Registration

Until January 8, 2024

Duration	For Members	Non-Members
1 Day	\$525	\$625
2 Days	\$800	\$900
3 Days	\$900	\$1000

Last Day for Early Registration is 01/08/24  
Until January 8, 2024

### Get Your Discounted Room Rate

To secure the special IPMI discounted room rate, please book your registration using this link instead of going through the hotel or third-party websites. IPMI rate is \$289.

By booking with this link, you will not incur the \$45 daily Resort Fee. This will also help IPMI meet its contractual obligation for rooms.

**REGISTER EARLY**

**BOOK YOUR ROOM**

**FOR IMMEDIATE RELEASE**

**CONTACT: Harvey J. Gottlieb  
PHONE: (603) 429-9966**

## **COLT REFINING NAMES NEW MANAGEMENT TEAM**

Merrimack, NH - October 2023 – Colt Refining, Inc., a renowned precious metals refining company in New England, proudly announces significant changes to its leadership team. Effective immediately, Mitchell Coughlin assumes the role of President, Jacob Gottlieb is appointed Vice President of Finance, and Michael Amoroso is promoted to Vice President of Operations.

Harvey J. Gottlieb, Owner, and CEO of Colt Refining, Inc., expressed his enthusiasm for the new management appointments, stating, “Our company has experienced remarkable growth over the last two decades. I am pleased to introduce this esteemed management team and eagerly anticipate our continued success under Mitch’s leadership.”



Mitch Coughlin brings over 29 years of expertise to his new position as President, having served as Vice President of Refining at Colt. His extensive knowledge in secondary processing of precious metals and business management has been pivotal to the company's achievements. Prior to joining Colt, Mitch held the position of Vice President of M.I.S. at Refinity Corp. in Lynn, MA. He holds a Bachelor of Science degree in Accounting from Salem State University.



Jacob Gottlieb, who has been an integral part of Colt for over 5 years in Commodity Sales and Trading, assumes the role of Vice President of Finance. Leveraging his banking background, Jacob has provided innovative financing and hedging solutions for precious metal customers. His previous experience includes serving as a Portfolio Manager underwriting loans and assessing credit risk at Brookline Bank. Jacob holds a B.S.B.A degree in Finance and International Business from Elon University.



Michael Amoroso, with over 17 years of dedicated service at Colt, has been promoted to Vice President of Operations. During his tenure, he played a key role as Refining Plant Manager, contributing significantly to the production and operational excellence of the refinery. Michael earned a Bachelor of Science degree in Business Management from Southern New Hampshire University.

Colt Refining, Inc. is confident that these strategic appointments will further enhance its position as a leader in the precious metals industry, ensuring continued growth and success for many years to come.

### **About Colt Refining, Inc.**

Colt Refining, Inc. provides refining services for the recovery of precious metals to a variety of industrial markets. Colt is an industry leader in the thermal processing, induction melting, chemical stripping, and mechanical sampling, while maintaining the highest in standards of quality and customer satisfaction. Colt Refining holds certifications in ISO14001:2015, ISO9001:2015, ISO45001:2018, and R2:2013 and is based in Merrimack, New Hampshire.

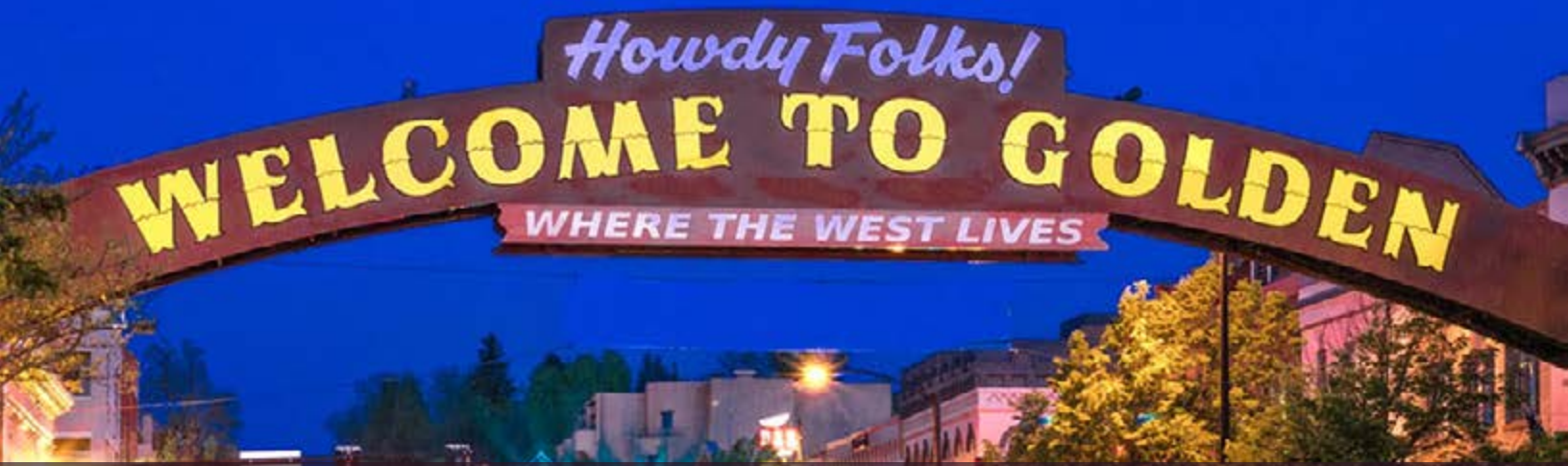
For more information on Colt Refining, please visit [www.coltrefining.com](http://www.coltrefining.com) or call (603) 429-9966.





# IPMI

## Precious Metal Sampling, Refining, Assay and Representation Symposium 2023 III Recap



With a backdrop of scenic Table Mountain, the Colorado School of Mines was the venue for the Third Sampling and Analytical Symposium in beautiful Golden, Colorado. Nearly 60 attendees attended the Sunday evening Meet and Greet at Table Mountain Inn in downtown Golden. The attendees then arose early on Monday to attend the all day sessions on campus where they heard lectures featuring topics such as “Benefits and Challenges of 3rd Party Supervision during Sampling of Precious Metals”, Conceptual Designs for Representative Sampling of Precious Metals Scrap”, PGM Recovery using the PATSOL Process”. Attendees spent the later part of the afternoon examining Rocks and Gemstones at the Geological Museum on campus. Monday evening the delegates attended a Cocktail Reception and Dinner at the Fossil Trace Golf Club.

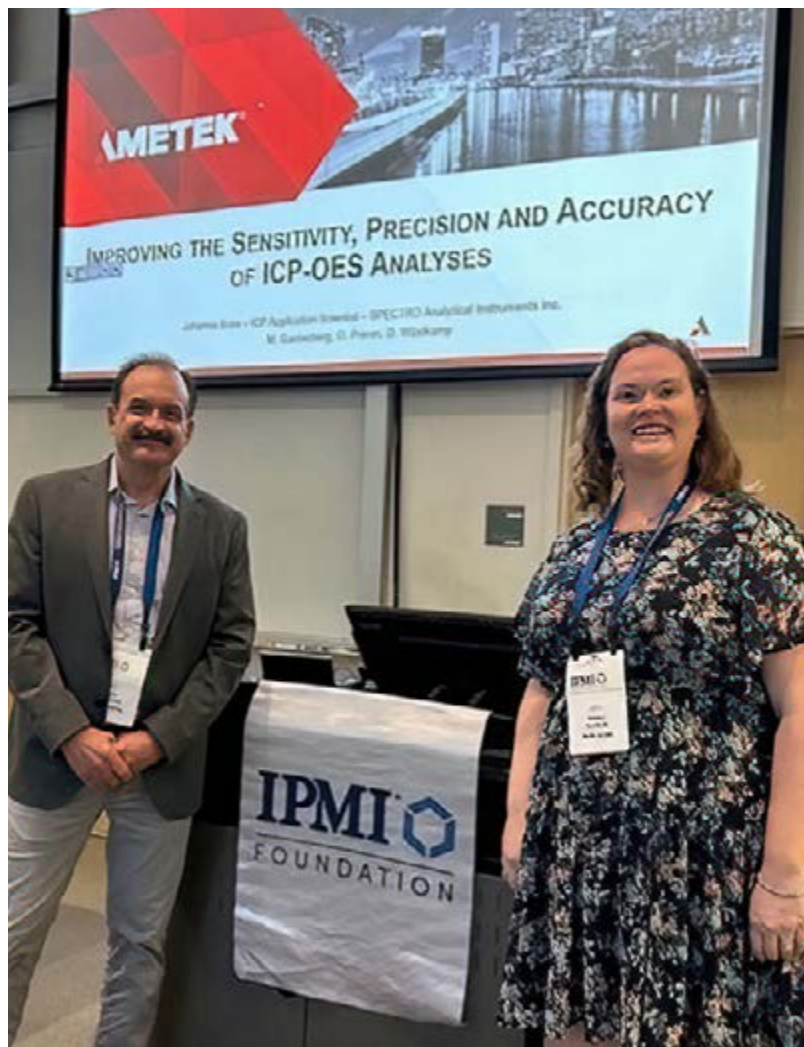
Tuesday the delegates were back in the lecture hall to hear presentations on such topics as:” Design and Validation of an Internal Standard for Fire Assay Fusions of Spent Catalysts”, Improving the Sensitivity, Precision and Accuracy in Precious Metal Analyses using ICP-OES” Later that afternoon the attendees enjoyed a tasting at Mountain Toad Brewery.

The SAC event concluded with a golf outing and trip to Buffalo Bill Museum on Wednesday.

This event was organized by the SAC Co-Chairs, Algis Naujoks of Sabin Metal and Stacey Santolli of BASF-ECMS.

IPMI thanks the sponsors, attendees and organizers for a superb event!







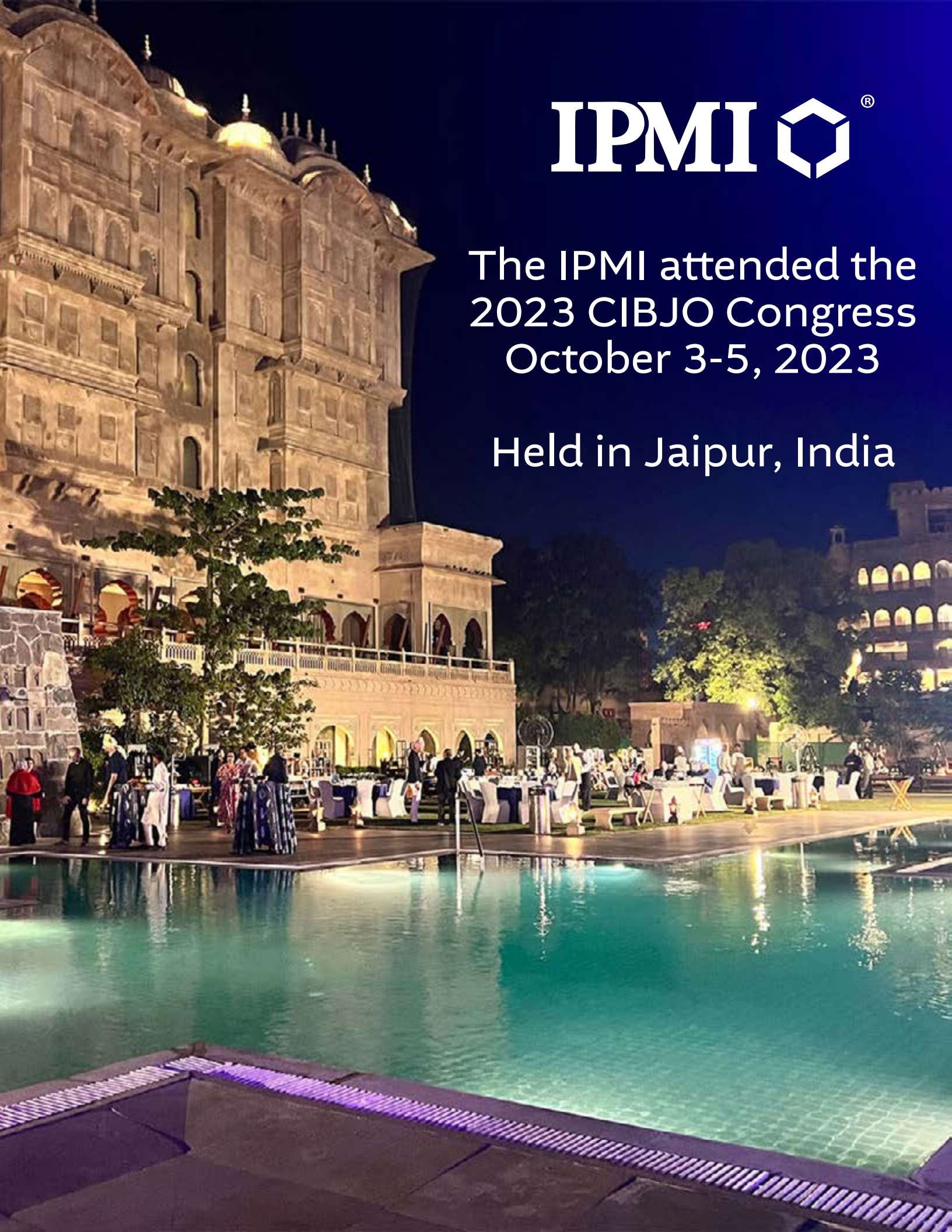






The IPMI attended the  
2023 CIBJO Congress  
October 3-5, 2023

Held in Jaipur, India





## IPMI Attends the Jewelry Industry's CIBJO Congress

IPMI's Executive Director, Larry Drummond and Foundation Board Director and Chair of IPMI's Awards Committee, Dr. Jonathan Jodry of Metalor were invited guests of CIBJO President, Dr. Gaetano Cavalieri, who is the 2023 recipient of the Tanaka Distinguished Service Award for a lifetime of excellence in the Precious Metals Industry. The IPMI and CIBJO are exploring ways for each organization to provide more information, education and networking opportunities for their respective membership through more collaboration.

The Precious Metals Commission (PMC Committee) and the International Organization for Standardization (ISO) Technical Committee TC 174 on Jewellery and Precious Metals held meetings prior and after the Congress where a variety of projects were presented and discussed were attended by IPMI representatives. During the session of the PMC on October 4, 2023, the second day of the Congress, a range of issues related to the sector were raised, including new regulations in the United States related to making environmental claims when marketing jewelry, recycled gold, and impacts on health of certain metals. The Precious Commission panel was chaired by Platinum Guild International CEO Huw Daniel, supported by Vice-President Karina Ratzlaff. Joining the panel were Larry Drummond, Jonathan Jodry, Sara Wood and Doug Henry.

Jonathan Jodry, as Chair of ISO/TC 174, said he expected to report back to the CIBJO Congress next year on results of a new project to create a family of standards on responsible sourcing of precious metals and definition of recycled gold.

Larry Drummond appealed for more collaboration with CIBJO on events and in dissemination of information to members of both organizations. Larry highlighted the benefits of collaboration including but not limited to:

- Education and Training
- Precious Metal Markets Insight
- Promotion of Responsible Sourcing
- Vast Networking Opportunities including: Refining, Jewelry Alloy Production, Assaying, Financing and Armored transport
- Expanding the breadth of the IPMI's Jewelry Design Awards Program

Sara Yood, Deputy General Counsel at the Jewelers Vigilance Committee (JVC) reported that the organization is awaiting guidance from the U.S. government's Federal Trade Commission on environmental marketing. Based on its survey of members, Ms. Yood said that its advice was not to use the term "sustainability" in marketing jewelry pending guidance from the FTC or based on their definition of the term. The JVC submitted, along with 16 additional signatories, including CIBJO, proposals intended to strengthen the jewellery industry's position on the importance of truth and fairness in environmental marketing claims. Of note in the JVC submission asked specifically for the FTC to either refine their definition of recycled, or provide the industry with alternative terminology, such as "repurposed", "reprocessed" or "reclaimed".

Doug Henry, CEO and Assay Master of the Birmingham Assay Office called for implementation of standards to reduce risks to consumers from hypersensitivity to gold that may be linked to allergic reactions to nickel and cobalt, which can be used in gold alloys. Mr Henry spoke of a need for international standards, and advocated clearer labelling in order to protect consumer interests and reduce risks of allergenic reactions.

The IPMI and CIBJO are in the early planning stages of hosting collaborative events in 2024 in Arezzo, Italy and Providence, Rhode Island.







# IPMI Premier Member Profile

## VENKY MURTHY

**President & Chief Technology Officer, Advanced United Refining**



**Advanced United Refining – AUR**  
**4575, West Watkins**  
**Phoenix, AZ 85043**

### **Precious Metals Recovery & Refining Facility**

AUR – North America’s newest State-of-the art Hydrometallurgical facility offers Precious Metals Recovery and Refining services from myriad of sources including Electronics, Precious Metals Plating solutions, Mining Concentrates, Precious metals Dore bars, Semiconductor Manufacturing Rejects, Dental Scraps, Bullion Gold, Jewelry Scraps, Decoratives like Watch and Eye-glass frames etc.,

Core strengths: Management of Precious Metals to their highest value and return the physical metals and or its by-products such as Gold / Palladium / Silver Salts. In-house integrated analytical lab with ICP, Fire Assay, Physical lab and Wet chemistry to ensure credible results are produced.

Our goal is towards ZERO pollution and work towards Sustainability, Carbon footprint and ESG reporting to all our valued customers. In-built innovative pollution control systems such as “Integrated multi-stage wet-scrubbers, Close-loop Process line, inhouse WWTP, On-line detectors, 24 hours security/CCTV etc., ensures highest commitment on traceability, accountability, compliances, and performances.

### **Venky Murthy**

**President and Chief Technology Officer**  
**M.Sc., in Industrial Chemistry, M.Tech., in Process Metallurgy, MBA in International Marketing**



**An architect and expert in designing & implementing the entire facility.**

**Responsible for overall company P & L with over 30 years of experience in e-Waste & metals recovery**

Email: [venky.murthy@au-refining.com](mailto:venky.murthy@au-refining.com)

W: [www.au-refining.com](http://www.au-refining.com)

M : +1 602 803 9327 / +65 98717295 (WhatsApp)



## Areas of Expertise

Expert in e-Waste Management

EEE- Resource Recycling Plant design & set up

Established about 7 integrated E-Waste Management plants including Shredding, Metals Recovery (base and precious metals) and Pollution Control systems.

Established Integrated Analytical Labs and ISO/R2 certifications.

Technology Innovation Committee Member in Singapore

Established FIRST E-Waste Management Institute in India (Vans IEM – [www.vansiem.com](http://www.vansiem.com))

Precious Metals & Platinum Group Metals Recovery & Refining Technologies

Carbon Credits & Footprint

Consultant & Resource person in review and reporting many recycling plants in Middle East, Singapore, Egypt, India, Malaysia, SA etc.,

## Achievements

VICE CHAIRMAN & Board Member of SERI (R2) USA

Academy Board Member of Amity Business School, Singapore

NRI of the Year Award Winner in 2014 felicitated by TIMES Now and ICICI

Winner of Kannada Puraskara Award in 2019, Singapore

Technology & Innovation Committee, Circularity of Materials Asia, Waste Management Mentor, E-Waste Standards Committee Member etc.,

## AUR Unique Selling Services

Quick turnaround cycle time for precious metals bearing scraps recovery and refining.

Fully integrated metallurgical lab with independent accreditation

Ability to generate precious metals plating salts from recovered metals and put-back to customers requirement (close-loop)

Clients are able to witness sampling and processing.

On-line tracking and settlement (**ERP System**)

Precious Metals stocking vault services





IPMI  
Gannon and Scott  
Founders Award  
Recipient for 2024

# Regine Albrecht

VP of BASIQ Corporation



**R**egine has been a member of the precious metals community for over three decades. After starting her career at the refining division of DEGUSSA AG in Germany, she later went on to a marketing role within the technical materials group at this company. Moving to the United States changed her career trajectory, and Regine became the VP of BASIQ Corporation, a consulting firm launched together with her husband in 2001.

At BASIQ, and to this day, she managed projects including designing a gold refinery, establishing Quality and KYC/AML systems and managing large scale IT projects for precious metal management for companies of all sizes.

Every role in her career centered around people, either serving clients in sales and marketing, communicating the value of a product or successfully managing international project teams.

This passion, combined with Regine's long-term involvement with the IPMI, lead to her spearheading an effort to boost the size and revitalize the meaning of the Student Award Program. As a result, she was elected to join the Board of Directors of IPMI's Scientific and Educational Foundation in 2019; the perfect fit for a person with a lot of enthusiasm, grit, and tenacity. But also, a person that sees the potential for IPMI and the precious metals industry.





# metallix

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IPMI Profile

## Dr. Reed M. Izatt

**D**r. Reed M. Izatt, professor of chemistry emeritus at Brigham Young University and co-founder of IBC Advanced Technologies, Inc. celebrated his 97th birthday in October. His contributions to the field of chemical separations have revolutionized precious metal refining around the world.

Professor Izatt pioneered the development of Molecular Recognition Technology™ (MRT™) as a green alternative to classical separation methods such as ion exchange, solvent extraction and precipitation. Due to its high selectivity, MRT™ can achieve exceptional first pass

recovery rates and purities of precious metals from aqueous solutions. This disruptive technology was first adopted for industrial precious metal refining in the mid-1990s by Tanaka Kikinzoku Kogyo K. K. and Impala Platinum Limited. In 1996, Dr. Izatt received the American Chemical Society National Award in Separation Science and Technology. Both he and another founder of IBC Advanced Technologies, Dr. Jerald S. Bradshaw, were given this prestigious award “For advancing the separation science of metals and for new technology to forward industrial-scale recovery of metals from aqueous solutions”.

Today, the work of Dr. Izatt and his colleagues is used worldwide in MRT™ systems that recycle and refine precious metals from a variety of sources. We gratefully honor Dr. Izatt for the significant contributions he has made to create a sustainable future for precious metals and all of us.

Sadly, Dr. Izatt passed away just as this newsletter was going to press.

Please see the following link for his obituary:

[Dr. Reed McNeil Izatt, American Chemist, Dies at 97 \(ibcmrt.com/news-media/\)](https://www.ibcmrt.com/news-media/)



October 25, 2023  
TANAKA Precious Metals  
TANAKA Holdings Co., Ltd.

## **TANAKA Succeeds in Developing World's First High-Entropy Alloy Powder Composed Only of Precious Metals**

**Enabling proposals tailored to customer needs through the establishment of five or more different precious metal alloy powder production methods**

TANAKA Kikinzoku Kogyo K.K. (Head office: Chiyoda-ku, Tokyo; CEO: Koichiro Tanaka), which develops industrial precious metals products as one of the core companies of TANAKA Precious Metals, announced that it has succeeded in creating a [high-entropy alloy powder](#) composed of precious metals with a fine particle size of 10 $\mu$ m or less high crystallinity and excellent composition uniformity. This product is the **world's first high-entropy alloy powder composed of only five precious metals: platinum (Pt), palladium (Pd), iridium (Ir), ruthenium (Ru), and rhodium (Rh)**. TANAKA has already established a mass production process for this product and plans to begin providing samples in October.

TANAKA has established five or more precious metal alloy powders and their production methods, which are used in this product, and obtained a basic patent in June 2023 (Patent No. 7300565)<sup>1</sup>. The precious metal alloy powders in this product are alloys composed only of five or more precious metal elements that maintain the corrosion resistance, electrical conductivity, and other excellent properties of precious metals. They are micro-order<sup>2</sup> alloy powders that are easy to use in industrial applications. Unlike conventional nano-order precious metal high-entropy alloys, micro-order alloys are stable as alloys due to their large crystallite size, and they satisfy the original requirements of alloys, such as improved mechanical strength, corrosion resistance, and controlled thermal expansion. They are also expected to contribute to the improvement of the functions and properties of precious metal alloys, whose properties vary greatly depending on the composition ratio of the alloy.



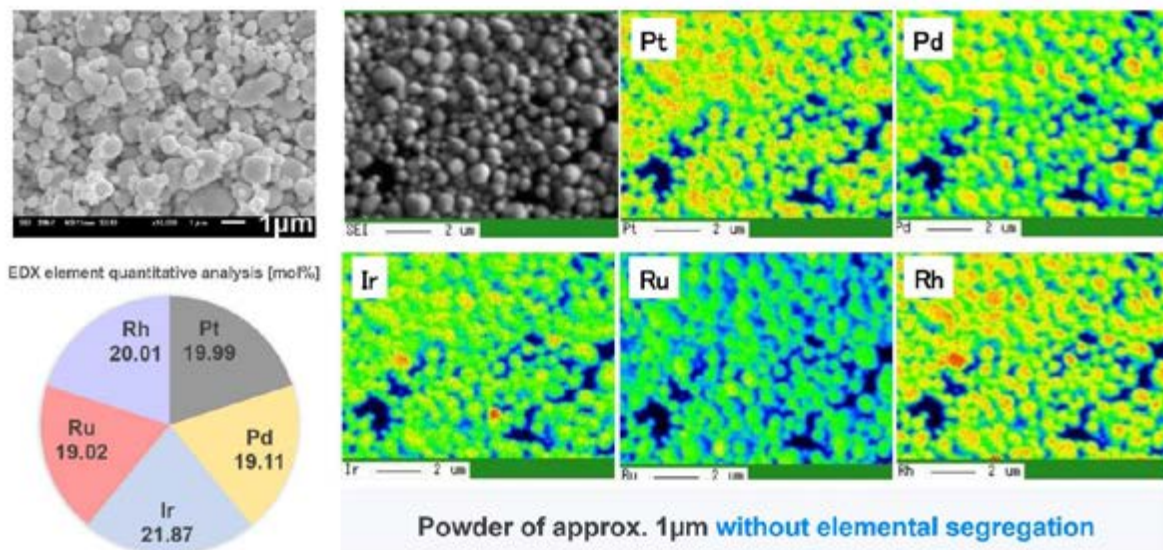
<High-entropy alloy powder>



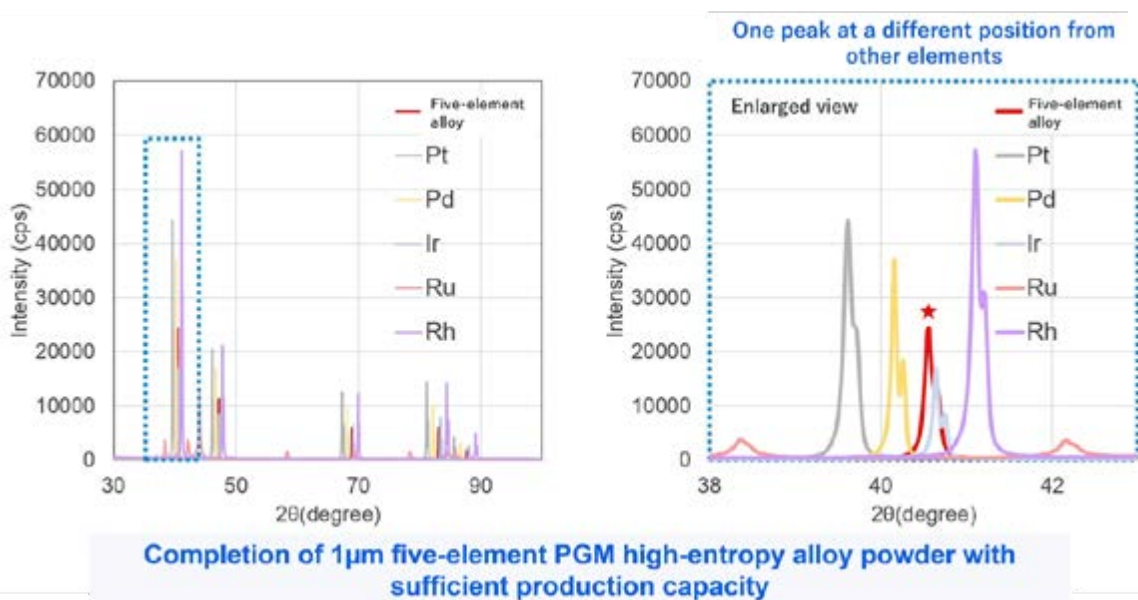
The precious metal alloy in this product is in powder form, and in addition to modeling using a 3D printer and rod forming (forming rod-shaped material by solidifying powder), it can also be used in paste form, which is often used in various circuits and sensors. Furthermore, the high strength and high heat resistance properties of high-entropy alloys are expected to be utilized in catalysts and conductive films that require high durability, among other applications.

<sup>1</sup> Patent related to high-entropy alloy powder granted on June 29, 2023 (Patent No. 7300565). The precious metal alloy powder in this product is defined as (1) precious metal alloy powder consisting of an alloy of five or more precious metal elements, (2) average particle size of 10 $\mu$ m or less, (3) crystallite size of 60nm or more, and (4) one peak observed in the range of diffraction angle 2 $\theta$  of 38 to 44 $^\circ$  in the X-ray diffraction spectrum.

<sup>2</sup> **Order:** A term used in physics, engineering, and other fields to roughly express the magnitude of a number. It represents the number of digits or degrees of a unit.



<Component and surface analysis of high-entropy alloy powder>



<X-ray diffraction spectra of high-entropy alloy powder and various precious metal powders>



## About High-Entropy Alloys

High-entropy alloys are alloys containing five or more elements in equal amounts and are characterized by the absence of major elements that make up most of the alloy. They have been attracting attention as a new category of metallic materials in recent years. Research and development on high-entropy alloys is being actively conducted worldwide, as the properties of the metals and precious metals contained in these alloys can simultaneously produce properties such as high strength and high heat resistance, as well as the possibility of creating new properties.

## Company Information

Updated July 2023

### ■ About TANAKA Precious Metals

Since its foundation in 1885, TANAKA Precious Metals has built a portfolio of products to support a diversified range of business uses focused on precious metals. TANAKA is a leader in Japan regarding the volumes of precious metals handled. Over the course of many years, TANAKA has not only manufactured and sold precious metal products for industry but also provided precious metals in such forms as jewelry and assets. As precious metals specialists, all Group companies in Japan and around the world collaborate and cooperate on manufacturing, sales, and technology development to offer a full range of products and services. With 5,355 employees, the group's consolidated net sales for the fiscal year ending March 31, 2023, was 680 billion yen.

### ■ Global industrial business website

<https://tanaka-preciousmetals.com/en/>

### ■ Product inquiries

TANAKA Kikinzoku Kogyo K.K.

<https://tanaka-preciousmetals.com/en/inquiries-on-industrial-products/>

### ■ Press inquiries

TANAKA Holdings Co., Ltd.

<https://tanaka-preciousmetals.com/en/inquiries-for-media/>



An hourglass with blue sand. A rusty catalytic converter is balanced on top of the upper bulb. The sand is flowing from the top bulb to the bottom bulb.

# ARE YOU TIRED OF WAITING FOR CONVERTER PRICES?

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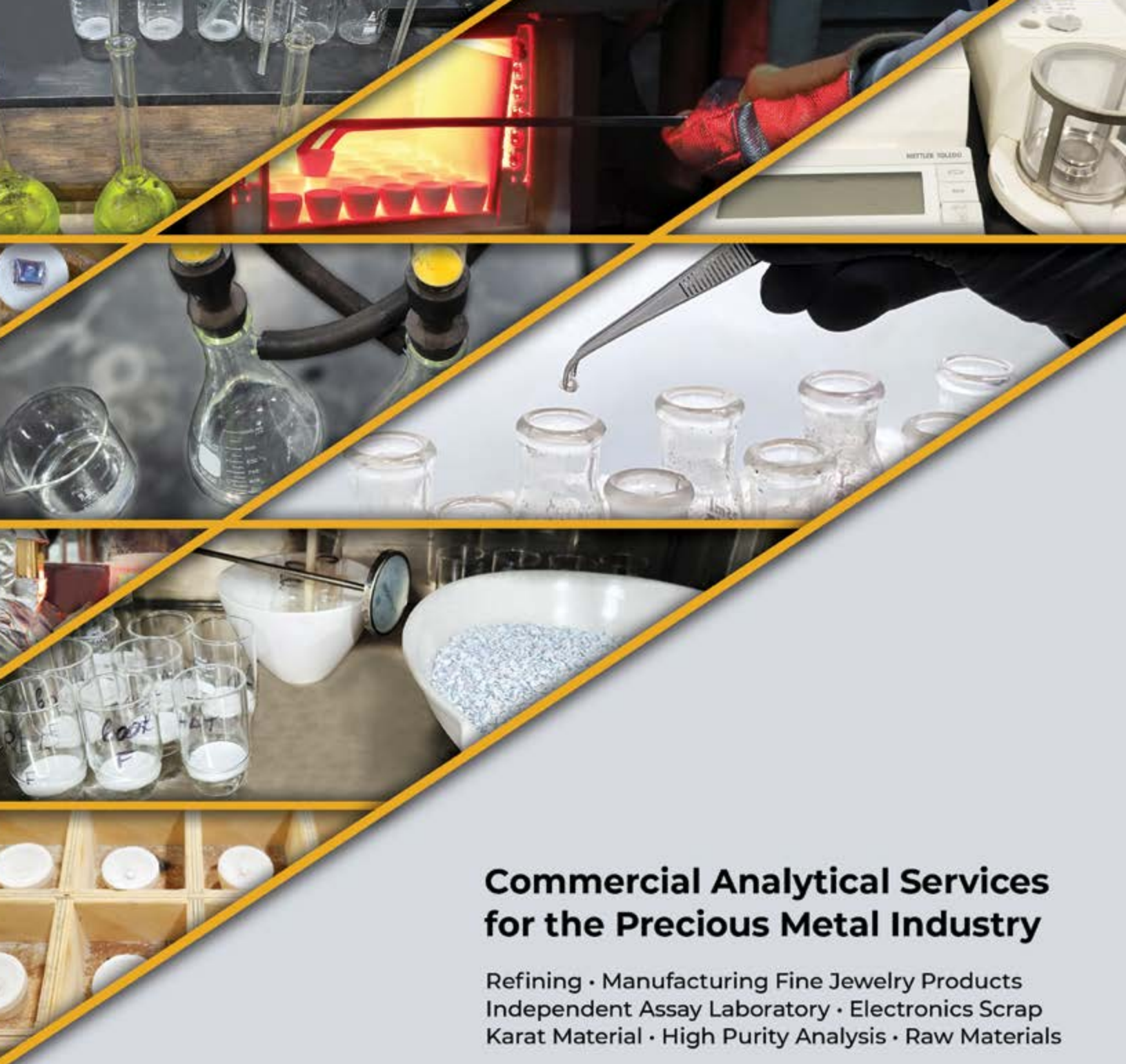
Our prices always reflect current market values, ensuring you make informed and **profitable decisions**.



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**PMR**  
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## GOLD NEWS



### Why gold prices are up as investors look to Powell's remarks for hints on the outlook for interest rates

Gold futures settled Thursday at their highest since late July, recovering from a brief session dip in prices as investors looked to remarks from Federal Reserve Chairman Jerome Powell for hints on the central bank's plan for interest rates. [READ MORE](#)



### Gold prices under pressure as Federal Reserve leaves interest rates unchanged

The gold market remains under pressure as the Federal Reserve leaves interest rates unchanged and provides little forward guidance on its monetary policy. [READ MORE](#)



### Gold price capitalizes on weak US data, Fed policy hogs limelight

Gold price (XAU/USD) recovered losses and turned positive on Wednesday after a two-day losing spell on weaker-than-anticipated United States Automatic Data Processing (ADP) and the Institute of Supply Management (ISM) Manufacturing PMI data for October. [READ MORE](#)



### Gold market analysis for November 1

This 5-minute bar chart for Comex gold futures can be a valuable analytical and trading tool for the active intra-day gold futures trader/market watcher. The 5-minute bar chart for the active gold futures contract shows key short-term moving averages (10- and 20-period) [READ MORE](#)



### Central banks buy 77 tonnes of gold, helping the precious metal resist rising bond yields

The World Gold Council reported Wednesday that central banks bought 77 mt of gold in August+ 38% MoM compared to July's purchases. The WGC noted that during the last three months central banks have bought 219 mt of gold. Central bank demand is on course to see healthy demand for the year. [READ MORE](#)



### 'Lunar gold rush': NASA wants to mine the moon

Scientists at NASA and the U.S. Geological Survey are using their Earthly expertise to identify and catalog resources on the celestial body to look for valuable materials [READ MORE](#)



### China's gold output, consumption rise in 2023

China's gold production and consumption both increased over the first nine months of 2023, while the country's gold ETFs also saw significant inflows in the third quarter [READ MORE](#)



### High Yields vs. Gold: Why Hasn't the Price Sunk?

MANY have questioned why the gold price has failed to do the normal thing. That normal thing being to decline significantly in the face of high 'real' yields – themselves an indication of very tight monetary policy. [READ MORE](#)



## SILVER NEWS



### Higher silver prices needed to meet solar demand, 'you're not going to melt grandmother's silver at \$35 an ounce,' Hecla's Phillips Baker

In an interview with Kitco News, Phillips Baker, CEO of Hecla Mining, said that investors need to pay attention to industrial demand and the solar power sector continues to consume massive amounts of the precious metal [READ MORE](#)



### Central banks support gold & solar PV demand buoys silver

Green technologies have emerged as the largest demand vector for silver — including the uptake of solar panel technology, the rise of electric vehicles and the shift to 5G cellular service [READ MORE](#)



### Silver prices attract attention for all the wrong reasons as they underperform gold

The gold market continues to attract new attention as prices hold the line around \$2,000 an ounce; at the same time, silver is starting to appear on some investors' radars, but for less bullish reasons as the precious metal continues to underperform [READ MORE](#)



### Pan American Silver (PAAS) Reports Next Week: Wall Street Expects Earnings Growth

Pan American Silver (PAAS) is expected to deliver a year-over-year increase in earnings on higher revenues when it reports results for the quarter ended September 2023. [READ MORE](#)

**SOLD OUT**

European Chapter of the  
**IPMI**

Conference Demand has exceeded expectations, and we are thrilled to announce that the Conference has completely ***sold out***.

**ANNUAL SEMINAR  
EUROPEAN CHAPTER OF THE IPMI**

Le Meridien  
Vienna Austria  
12-14th November, 2023

The European Chapter of the IPMI will be hosting its annual seminar this year in Vienna, Austria.



## PLATINUM GROUP METALS



### Weak auto production drives down 2024 platinum, palladium forecasts

Analysts and traders have lowered their price forecasts for platinum and palladium in 2024 due to weak auto production and concerns about a global economic slowdown, a Reuters poll showed on Wednesday. [READ MORE](#)



### Impala Platinum to cut spending after metal price decline

South Africa's Impala Platinum will reduce planned spending across its business to reflect current low metal prices, the company said on Tuesday. [READ MORE](#)



### Over 4,000 jobs on the line with Sibanye-Stillwater's latest restructuring

Precious metals producer Sibanye-Stillwater (JSE: SSW)(NYSE: SBSW) said a planned restructuring could see it shutting down four loss-making platinum group metal (PGM) mines in South Africa, resulting in the loss of 4,095 jobs. [READ MORE](#)



### Tharisa delays Karo project as platinum group metals output slumps

Tharisa PLC on Tuesday reported platinum group metals production that was far lower than its prior guidance, pointing to depressed prices and production setbacks. [READ MORE](#)



### Amplats sees no immediate rebound in low platinum metals price

Anglo American Platinum's (AMSJ.J) CEO said he expected the low metal prices companies in South Africa are currently grappling with to persist, and he was aligning the business for the possibility that they would not rise for some time. [READ MORE](#)



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## E-WASTE & PRECIOUS METALS RECYCLE RELATED



### Panelists shed light on solar unit recycling

The conference session comes at a time when a number of e-scrap players have already entered – or are currently entering – the solar panel recycling business. [READ MORE](#)



### Glencore targets \$1bn in earnings from urban mines by 2030

Recycling, or secondary supply as it's sometimes called, is not new to mining but it hasn't been embraced in quite the way Glencore intends. That's because current supplies are poor. [READ MORE](#)



### Where solar panels go when they die

In 2019, the non-profit Michigan Energy Options had just put up a solar farm in the city of East Lansing — in a dump. “It was a closed dump,” said John Kinch, the solar company’s executive director. “There was grass and some flowers and weeds growing there.”. [READ MORE](#)



### Battery recycling adds juice to Avalon’s Thunder Bay lithium plans

Recycling the valuable metals from waste batteries has entered into the plans for Avalon Advanced Materials, a potential lithium plant developer in Thunder Bay. The Toronto company released details this week on the joint venture partnership deal it signed with Metso of Finland, a leading European provider of clean mining processing technology. [READ MORE](#)

**SAVE THE DATES**

European Chapter of the  
**IPMI**

# 2024

LISBON • PORTUGAL

The European Chapter of the IPMI has booked the venue for next year’s Annual Seminar in Lisbon, Portugal. We hope to see you there!

Sheraton Lisboa Hotel & Spa  
Lisbon, Portugal  
November 17 - 19, 2024  
More details to follow.

## PRECIOUS METAL MINING



### Mining execs warn of disconnect between metals appetite, pace of new projects

Mining executives said the world's growing thirst for its products is at odds with an aversion to new mining projects, particularly in the US. [READ MORE](#)



### Platinum and palladium lead the way for Nornickel in 9M 2023, while nickel and copper stumble

Russia's Nornickel (MOEX: GMKN), the world's largest producer of palladium and high-grade nickel and a major producer of platinum and copper, announced today that in 9M 2023, its total nickel output decreased 9% y-o-y to 145 kt, most of which were produced from own Russian feed. [READ MORE](#)



### Will gold mining stocks look past Q3?

Gold mining stock charts have not yet confirmed a sustainable rally, and Q3 fundamentals may be a headwind [READ MORE](#)



### India to launch auctions of critical mineral mines soon

Tenders for critical minerals including nickel, lithium, cobalt, platinum and other rare earths, is expected to take place in December. [READ MORE](#)

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## SEMICONDUCTOR, EV, FUEL CELL RELATED



### Hydrogen Hubs: A Unique Green Stimulus Strategy

TRC Solutions Vice President Denise Brinley recently spoke with Hydrogen Fuel News regarding the newly announced funding. Brinley expects that long-haul shipping will be the first to see action from the hydrogen hubs, followed by ammonia production and heavy industry. [READ MORE](#)



### 'Outrageous, reckless' | Biden administration slammed for committing billions of dollars for clean (Blue) hydrogen to fossil fuels

The disappointment about the amount of blue H2 awarded was palpable among environmental groups, especially as wealthy fossil-fuel companies such as Chevron and ExxonMobil (among the winning project developers) do not need billions of dollars of taxpayer money to make investments. [READ MORE](#)



### Summary of EU Council proposal for Euro 7 emission standards (impacting Pd, Pt, and Rh)

Euro 7 emission standards for light- and heavy-duty vehicles are being debated amongst three agencies: the EU Commission, the EU Council and the EU Parliament. [READ MORE](#)



### World first as Siemens Energy burns 100% hydrogen in industrial gas turbine

The world's first use of 100% H2 in an industrial gas turbine has taken place in western France, according to Siemens Energy, paving the way for large-scale H2-based energy storage projects. [READ MORE](#)



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## OTHER GOLD NEWS



### Gold demand in India dims amid soaring prices: Report

The World Gold Council (WGC) on Tuesday expressed concerns that gold prices reaching near record highs may diminish the demand for gold in India during the country's peak festival season. [READ MORE](#)



### Remember this spring's \$20M gold heist at Pearson? Brink's is suing Air Canada to get its money back

Brink's is suing Canada's biggest airline for roughly \$20 million for allegedly letting a thief walk into an Air Canada facility at Toronto's Pearson airport and walk out with gold bars and cash. [READ MORE](#)



### Gold Mining Spreads Mercury to Tropical Birds, Study Says

Tropical birds, from kingfishers to wrens to warblers, are showing signs of mercury contamination as artisanal and small-scale gold mining operations reach deeper into jungles, new research finds. [READ MORE](#)



### Which countries own the most gold?

The amount of gold in the world is finite—unlike the amount of money issued by countries' central banks, which simply depends on those banks' economic goals. So when the value of a dollar, pound, or euro drops, the corresponding value of gold rises. [READ MORE](#)



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## OTHER PLATINUM, PALLADIUM NEWS



### **New research offers a theory on how gold, platinum, and other precious metals found their way into Earth's mantle**

Scientists at Yale and the Southwest Research Institute (SRI) say they've hit the jackpot with some valuable new information about the story of gold. [READ MORE](#)



### **New nanomaterial may solve long-standing fuel cell issue**

While proton-exchange membrane fuel cells (PEMFCs) have shown great promise for energy production, particularly in the transportation industry, there is a long-standing problem with their durability and cost.

[READ MORE](#)



### **Inside the battle over Ontario's Ring of Fire**

On a rock-covered beach in the heart of the Ring of Fire in northern Ontario, Alex Moonias gazes east, then north. All he sees is undisturbed land, water and air. [READ MORE](#)



### **New mission to metal-rich asteroid Psyche successfully blasts off**

Hot on the heels of the sample-return mission from an asteroid named Benu, NASA launched a spacecraft to yet another asteroid. [READ MORE](#)



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## PRECIOUS METALS RELATED SCIENCE & CHEMISTRY NEWS



### New method recycles 98% of lithium from electric batteries

A new recipe recycling precious metals from electric batteries using hydrometallurgy has been invented that is more efficient and effective than traditional approaches. The new technique allows for the recovery of 100 percent of the aluminum and 98 percent of the lithium in electric car batteries while minimizing the loss of nickel, cobalt and manganese. [READ MORE](#)



### A novel method for extracting metals from asteroids using non-aqueous deep eutectic solvents

Extra-terrestrial mining and metal processing are vital for access to strategic metals for space exploration. This study demonstrates for the first time the catalytic dissolution of metals from meteorite proxies of metal-rich asteroids using a deep eutectic solvent (DES). [READ MORE](#)



### Gold Reinvented: Stanford Scientists Uncover Exotic Chemical State in New Material

For the first time, Stanford researchers have found a way to create and stabilize an extremely rare form of gold that has lost two negatively charged electrons, denoted Au<sup>2+</sup>. [READ MORE](#)



### Revolutionizing energy storage: Metal nanoclusters for stable lithium-sulfur batteries

Metal nanocluster/graphene nanosheet composite-based battery separator addresses key challenges faced by lithium-sulfur batteries, opening doors to their commercialization. [READ MORE](#)

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### European Chapter of the IPMI Seminar

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January 30-31, 2024

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### IPMI Winter Meetings

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Hyatt Grand Cypress Resort, Orlando, Florida

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### IPMI 48th Annual Conference

June 8-11, 2024

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### 2024 European Chapter Annual Seminar

November 17 - 19, 2024

Sheraton Lisboa Hotel & Spa, Lisbon, Portugal



## Upcoming Events

# 2025-2026-2027



### **IPMI Winter Meetings**

February 18-20, 2025

Hyatt Grand Cypress Resort, Orlando, Florida



### **IPMI 49th Annual Conference**

June 7-10, 2025

The Phoenician Resort, Scottsdale, Arizona



### **IPMI 50th Annual Conference**

June 6-9, 2026

Hyatt Grand Cypress Resort, Orlando, Florida



### **IPMI 51st Annual Conference**

June 2027

The Phoenician Resort, Scottsdale, Arizona