IPMI 2019 Award Winners Announced

IPMI 2019 Founders Award Winner
George Gero

The 2019 recipient of the IPMI Founders Award Sponsored by Gannon and Scott is George Gero. The IPMI Founders Award is sponsored by one of IPMI’s founding companies, Gannon & Scott. The award recognizes an IPMI member that has contributed their efforts and or experience towards the betterment or sustainability of the Institute or its mission.

IPMI Student Award
Tatsuya Higaki
Carnegie Mellon University

Tatsuya is graduate student whose advisor Rongchao Jin is this year’s recipient of the Student Advisor Award. Tatsuya is a graduate student at Carnegie Mellon and his research project is entitled “Controlling the Atomic Structure of Metal Nano Clusters for Tailor-Made Functional Nanomaterials.”

IPMI Student Advisor Award
Rongchao Jin
Carnegie Mellon University

IPMI Europe Chapter Student Award
Jaeyune Ryu
MIT

Jaeyune Ryu’s research is entitled “Exploring Electrochemical Properties of the Precious Metal/Water Interface Under Polarization.” He is a graduate student at MIT.

IPMI Colonial Metals George Benvegno Memorial Student Award
Jennifer Lee
University of Pennsylvania

Jennifer is a graduate student at the University of Pennsylvania where her research focuses on inorganic/materials chemistry of platinum group metal bimetallic nanostructures.

IPMI Sabin Metal Ron Bleggi Student Award
Jingshan Du
Northwestern

Jingshan Du is a graduate student at Northwestern with his research entitled “Complex Nanoparticle Systems: Structures and Structural Dynamics.”

IPMI Metalor Student Award
Joseph Dennis
MIT

Joseph is a graduate student at MIT where his advisor is the 2016 IPMI Jun-ichiro Distinguished Award winner Professor Stephen Buchwald. Joseph’s research is centered on palladium catalyzed carbon nitrogen bond formation.

IPMI Gero Family Trust Bright Futures Student Award
Van Tran
Scripps Research Institute

Van is a graduate student at Scripps Research Institute and the title of her research is entitled “Activation of Diverse Carbon-Heteroatom and Carbon-Carbon Bonds via Palladium (II) Catalyzed β-ξ Elimination”.

continued on page 2
IPMI Johnson Matthey Student Award
Po-Ni Lai
University of Houston

Po-Ni (Burny) is a fourth year graduate student at the University of Houston where her research is focused on design, synthesis and characterization of luminescent cyclometalated iridium complexes.

IPMI Peppermill Student Award
Liliang Huang
Northwestern University

At Northwestern, Liliang focuses her study on Nanoscience and materials science and engineering, specifically, the design, synthesis, and study of precious metal-based multimetallic nanostructures and their application as electrocatalysts.

Important

We are getting close to the IPMI Annual Conference in Reno starting on June 15th and many of you may soon book your room at Peppermill. As always, we have negotiated an attractive room rate at the conference hotel venue for our delegates. But, in order to get the IPMI rate and other conference amenities, please use this passkey room reservation link to book your room.

https://book.passkey.com/event/49695469/owner/7268/home

Only by using this link to book your room will you be guaranteed the negotiated rate for our delegates. Recently, some of our members were contacted by a group called “Convention Housing Planners.” These and other groups try to entice you to use their services by offering a better rate. You know the old adage – “if it sounds to good to be true, it probably is.” We can tell you with certainty that none of these groups are affiliated with the Peppermill and using a third-party reservation service could be inherently risky.

Again, we urge you to book your room directly with the Peppermill using the IPMI link provided above.

Please don’t hesitate to contact Sandra Arrants at 850-476-1156, or email at mail@ipmi.org if you have any questions.
### SATURDAY, JUNE 15, 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00am-5:00pm</td>
<td>Registration</td>
<td>Sorrento 4</td>
</tr>
<tr>
<td>8:00am-9:00pm</td>
<td>Golf Tournament</td>
<td>Golf Course</td>
</tr>
<tr>
<td>8:00am</td>
<td>Meet in lobby @7:00am</td>
<td>Sierra Top Floor</td>
</tr>
<tr>
<td>5:00pm-6:00pm</td>
<td>Student Meet &amp; Greet</td>
<td>Tuscany D-F</td>
</tr>
<tr>
<td>6:00pm-8:00pm</td>
<td>Welcome Reception</td>
<td>Naples 1-5</td>
</tr>
<tr>
<td>8:00pm-10:00pm</td>
<td>Johnson Matthey Reception</td>
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### SUNDAY, JUNE 16, 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30am-8:30am</td>
<td>Speakers Breakfast</td>
<td>The Bistro</td>
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<tr>
<td>8:00am-9:00am</td>
<td>PRC Coffee Meet and Greet</td>
<td>Sorrento 2</td>
</tr>
<tr>
<td>8:00am-3:00pm</td>
<td>Registration</td>
<td>Capri 3-4</td>
</tr>
<tr>
<td>8:00am-4:00pm</td>
<td>Exhibit Hall and Photo Booth</td>
<td>Capri 2</td>
</tr>
<tr>
<td>9:00am-Noon</td>
<td>Member/BOD Meeting</td>
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<tr>
<td></td>
<td><em>Coffee Break sponsored By Brinks</em></td>
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<tr>
<td>9:30am-10:30am</td>
<td>Spouse Breakfast</td>
<td>Sierra Top Floor</td>
</tr>
<tr>
<td>Noon-1:30pm</td>
<td>Delegate Lunch</td>
<td>Capri 1-5</td>
</tr>
<tr>
<td>2:00pm-3:30pm</td>
<td>Session A: World of Metals Finance</td>
<td>Capri 2</td>
</tr>
<tr>
<td>3:30pm-4:30pm</td>
<td>Beverage Break w Experts</td>
<td>Naples 1</td>
</tr>
<tr>
<td>4:30pm-5:30pm</td>
<td>Young Professionals Meet and Greet</td>
<td>Naples 3-5</td>
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<td><em>Sponsored by Mastermelt</em></td>
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<tr>
<td>3:30pm-5:00pm</td>
<td>Registered Spouse Art Gallery Tour</td>
<td>Meet in Lobby</td>
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<tr>
<td>5:00pm-6:00pm</td>
<td>Patron Social</td>
<td>Top Floor Sierra</td>
</tr>
<tr>
<td>6:00pm-8:00pm</td>
<td>Tanaka/Metalor Reception</td>
<td>Tuscany D-F</td>
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<tr>
<td>8:30pm-10:00pm</td>
<td>Evening on the Edge</td>
<td>Edge Nightclub</td>
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<td></td>
<td>Abbacadabra - *The Ultimate Abba Tribute</td>
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<td></td>
<td>Show*</td>
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<tr>
<td></td>
<td>Dessert and Cocktails</td>
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</table>
## IPMI® Conference Schedule

### MONDAY, JUNE 17, 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30am-8:30am</td>
<td>Speakers Breakfast</td>
<td>The Bistro</td>
</tr>
<tr>
<td>8:00am-1:00pm</td>
<td>Registration</td>
<td>Sorrento 4</td>
</tr>
<tr>
<td>8:00am-4:00pm</td>
<td>Exhibit Hall and Photo Booth</td>
<td>Capri 3-4</td>
</tr>
<tr>
<td>8:30am-12:30pm</td>
<td>Session B: Mining /Sampling</td>
<td>Capri 1</td>
</tr>
<tr>
<td></td>
<td><em>Coffee Break Sponsored by BRM</em></td>
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<tr>
<td>8:30am-12:30pm</td>
<td>Session C: Jewelry</td>
<td>Capri 2</td>
</tr>
<tr>
<td>1:00pm-3:00pm</td>
<td>Sampling and Analytical Council Meeting</td>
<td>Capri 1</td>
</tr>
<tr>
<td></td>
<td><em>Sponsored by Loomis</em></td>
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<tr>
<td>1:00pm-3:00pm</td>
<td>Pool Party</td>
<td>Capri 2</td>
</tr>
<tr>
<td>3:00pm-5:00pm</td>
<td>Pool Party</td>
<td>Pool</td>
</tr>
<tr>
<td></td>
<td><em>Sponsored by Loomis</em></td>
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<tr>
<td>4:30pm-5:30pm</td>
<td>Ladies Happy Hour</td>
<td>Sierra Top Floor</td>
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<td></td>
<td><em>Sponsored by Inspectorate</em></td>
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<tr>
<td>6:00pm-8:00pm</td>
<td>Sabin Metal Corp. Reception</td>
<td>Tuscany D-F</td>
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<tr>
<td>8:30pm-10:30pm</td>
<td>Edge of Night Coffee &amp; Cocktails</td>
<td>Edge</td>
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### TUESDAY, JUNE 18, 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>7:30am-8:30am</td>
<td>Speakers Breakfast</td>
<td>The Bistro</td>
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<tr>
<td>7:30am-9:00am</td>
<td>Marketing Committee</td>
<td>Florence</td>
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<tr>
<td>8:30am-Noon</td>
<td>Exhibit Hall</td>
<td>Capri 3-4</td>
</tr>
<tr>
<td>8:30am-12:30pm</td>
<td>Session D: Sourcing/AML</td>
<td>Capri 2</td>
</tr>
<tr>
<td></td>
<td><em>Coffee Break Sponsored by Dillon Gage</em></td>
<td></td>
</tr>
<tr>
<td>8:30am-11:00am</td>
<td>Session E: Assaying, Recovery of Metals</td>
<td>Capri 1</td>
</tr>
<tr>
<td>8:30am-10:00am</td>
<td>Session F: AML Compliancy and Bankruptcy</td>
<td>Capri 2</td>
</tr>
<tr>
<td>10:30am-12:30pm</td>
<td>Session G: Responsible Sourcing:</td>
<td>Capri 2</td>
</tr>
<tr>
<td></td>
<td><em>A Refining and Jewelry Perspective</em></td>
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<tr>
<td>12:30pm-1:30pm</td>
<td>Student Lunch</td>
<td>Sierra Top Floor</td>
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<tr>
<td>1:30pm-4:30pm</td>
<td>Session H: Student Research</td>
<td>Capri 1</td>
</tr>
<tr>
<td>6:00pm-7:00pm</td>
<td>President’s Reception</td>
<td>Tuscany Foyer</td>
</tr>
<tr>
<td></td>
<td><em>Sponsored by Hensel Recycling</em></td>
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<tr>
<td>7:00pm-9:00pm</td>
<td>Awards Banquet</td>
<td>Tuscany E-F</td>
</tr>
<tr>
<td>9:00pm-10:00pm</td>
<td>Closing Reception</td>
<td>Tuscany D</td>
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*Conference Adjourns*
We deliver a full range of analytical services to our clients, in addition to providing independent inspection and technical expertise.

The Alfred H Knight North American laboratory is ISO17025 accredited and specialises in analysing precious and platinum group metals in a broad range of commodities.

In addition to our experienced chemists and technicians, our operations have dedicated teams of knowledgeable support staff committed to assisting our clients in all aspects of precious and platinum group metals inspection and analysis.

AHK North America offers independent inspection, weighing and sampling services to the precious and platinum group metals industry. Our locally based, experienced inspectors cover all major precious metal refineries, producers and re-claimers in the US and Canada.

For more information:  
www.ahkgroup.com/NorthAmerica  
us.enquiries@ahkgroup.com

At the forefront of the metals and minerals industry for over 135 years
The PGM Auto Catalyst Seminar

The PGM Auto Catalyst Seminar was a sold-out success with over 90 delegates attending the day and half seminar at the Atlanta Airport Marriott. Matt Watson, the event organizer, started things off with a PGM Market Overview. He was followed by Philip Newman of Metals Focus who spoke on PGM Mining and Supply Outlook. Next, Stewart Brown of Johnson Matthey centered his discussion on Future Complexities of Auto Catalyst Configurations. Next, Brad Edgar of 44 Energy Technologies gave a talk on Trends in Catalyst Technology Innovation while Semih Sunkar of Dowa followed with a talk on Customizing the Pt Recycling. Oliver Krestin was next and his discussion was focused on Auto Catalyst Recycling Processing and Challenges. In the late afternoon Michelle Lynch of Enabled Futures spoke of Recycling of Automotive Catalysts and Fuel cells. Jonathan Butler of Mitsubishi then talked about the Outlook for the Use of Precious Metals in Automotive Catalyst and Fuel Cells before a panel discussion concluded day one.

Day two saw Philipp Walter of Heraeus start things off with PGMs in the Hydrogen Economy and then Mark Caffarey of Umicore gave a talk on Precious Metals in Fuel Cells. Johann Wiebe of Refinitiv wrapped up the early morning with a talk on PGM Markets. Matt Watson then spoke on Fuel Cell Market Research and New Energy Precious Metal Opportunities before a panel discussion wrapped up things on Day 2.

IPMI thanks the organizer, the sponsors and the delegates for making the seminar a great event.
Platinum Guild International is a worldwide marketing organisation dedicated to creating, expanding and strengthening consumer and trade markets for platinum jewellery.

Platinum Jewellery Business Review is an annual report and updated quarterly by PGI, analysing retail sales of platinum jewellery, trade performance and consumer sentiment conducted via surveys among platinum retail jewellers and manufacturers in each of PGI’s four key international platinum jewellery markets: China, India, Japan and the US.

The Ultimate Authority on Platinum Jewellery

Register now to access the 2019 quarterly updates
www.platinumguild.com

All enquiries, please contact info@pgiglobal.com
IPMI New England Chapter to Host 29th Annual IPMI Student Jewelry Design Awards Presentation & Annual Meeting

The New England Chapter of International Precious Metals Institute (IPMI) cordially invites you to attend their 29th Annual Student Jewelry Design Awards Presentation and Annual IPMI Meeting at the Iron Works Tavern (Upstairs at the Tavern) in Warwick, Rhode Island.

Thursday, May 9th, 2019
The Iron Works Tavern
(Upstairs at the Tavern)
697 Jefferson Boulevard
Warwick, RI
Tel. 401-739-5111

Link to www.theironworkstavern.com

5:30pm - Registration and Cocktails
6:30pm - Dinner and Program

Special Guest Speaker:
Alan B. Thompson
Associate Professor of Jewelry & Metals
The University of Massachusetts Dartmouth

IPMI’s Jewelry Design Awards is an annual event to showcase, recognize and encourage the wealth of talented regional students. IPMI recognizes all entrants in this 29th Annual Design Competition for their outstanding design talent, creativity and vision in creating such unique pieces. Without them, their Professors and the Schools they attend, none of this would be possible. All winning entries, including Honorable Mentions will be on display during the evening.

Please join us for the festivities and meet this year’s winners. Dress is Business Casual. Guests are welcome. Reservations are required.

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Gannon & Scott, Inc.
Johnson Matthey
Materials Management Corporation
QML, Inc.
United Precious Metal Refining, Inc.
IPMI Metro New York Chapter

Directions to The Iron Works Tavern
From Interstate 95 North or South, take Exit 13 (TF Green Airport Exit). Take the first exit on the right to Jefferson Boulevard. At the end of the ramp, at the lights, turn left onto Jefferson Boulevard. The IRON WORKS TAVERN is on the left in 0.25 miles, across from the New Interlink Rail Service.

Cost for Members, Sponsors, Non-Members, and Guests are $50.00 each person. Reservations must be received by Friday, May 3rd, 2019. One may mail reservations to:

IPMI
Post Office Box 9426
Providence, RI 02940

Call in reservations to Donna Kiesel at 401-463-5550 ext. 1121 or fax to 401-463-5971.

E-mail Reservations to DonnaKiesel@gannon-scott.com

Thank you for supporting this IPMI New England Jewelry Design Awards Program!
Global inspection and precision analysis for precious metals

ALS inspects, weighs, samples, analyses and reports on the quantity and quality of commodities to produce findings that can be used for final commercial settlement purposes.

Our representatives are either in regular attendance at major processing refineries world-wide, or are permanently stationed there in order to service the magnitude of our client’s year-round requests for on-site expertise.

For global inspection and analysis enquiries:
David Pownall
T: +44 (0)151 632 9248
M: +44 (0)7824 592 602
E: david.pownall@alsglobal.com

Gina Molloy
T: +44 (0)151 632 9283
M: +44 (0)7779 558 764
E: gina.molloy@alsglobal.com

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Environmental and Regulatory Affairs Committee
Spring Conference Agenda - May 21, 2019

9:30 - 10:00  Arrival, Coffee

10:00 - 10:30  Opening Comments - Changes in ERAC
               Mike Riess    Chris Bryant

10:30 - 11:45  Trade Issues: TTIP and TPP Live Again
               Daniella Taveau
               • Brexit muddies US/EU trade negotiations
               • EU/US/Japan trilateral discussions re China trade practices
               • USMCA ratification

11:45 - 12:15  “Made in USA”: Progress At Last
               Mike Riess    Steve Gardner

12: 15 - 12:30  Strategic Minerals
               Bryan Ledgerwood

12:15 - 12:45 Lunch

12:45 - 1:45 Environmental Update
               Mike Riess
               • EPA and the Congress
               • Update on definition of waste

1:45 - 2:30  Foreign Corrupt Practices Act/Dodd Frank and Bank Secrecy Act
               Mike Riess
               • Prosecutions accelerate and converge
               Obtaining Tariff Exemptions
               Chris Bryant

2:30 - 3:00  Pool Account Study
               Mike Riess

Conference Adjourns

Location: BASF Corporation
33 Wood Avenue South
Iselin, NJ 08830
   (Across from Metro Park Amtrak Station; close to Newark Airport)

Hotels:
APA Hotel (In same compound as BASF)
120 Wood Avenue South
Iselin, NJ 08830
(732) 494-6200
   (In addition, Newark Airport Hotels are nearby)
Book the Date for the next European Chapter November Seminar!

Presented by the European Chapter of the International Precious Metal Institute (EC-IPMI)

This year’s theme: Precious Metals Products & Technologies

18 & 19 November 2019
Lisbon, Portugal
The New England Chapter of the International Precious Metals Institute (IPMI) held its annual Spring Dinner Meeting on Thursday, March 7th. Our Special Guest Speaker, James Steel, Chief Precious Metals Analyst for HSBC Bank USA, made the pilgrimage to Rhode Island to share the bank’s supply/demand and price forecasts as well as qualitative analyses for gold and silver.

Jim explained that gold prices slumped throughout much of 2018 as increases in various risks triggered “safe haven” flows into U.S. assets, buoying the U.S. dollar (USD). Fed tightening and good U.S. growth further increased demand for these assets and undercut gold, leading to heavy investor liquidation. This dynamic appears to have reversed as gold is enjoying renewed favor with investors, especially from “safe haven” investor demand in western markets and from physical consumers, mostly but not exclusively, in emerging markets.

In 2019 and beyond, Fed policy is key and may turn from negative to positive for gold. Fed tightening historically creates a negative backdrop for bullion which may continue near term as HSBC U.S. economic research forecasts one more rate rise this year, followed by possible rate cuts in 2020. Jim explained how a strong USD may be the single biggest obstacle to a gold rally this year, and that the USD should capitalize on the slowing global economy as other currencies look more vulnerable with their respective central banks facing an inability to loosen policy if needed. Also the dollar should remain the high-yield play in the G10.

Jim discussed the silver market as well, explaining how last year silver prices had to also contend with a robust USD, strong equity markets (until late in the year) and tightening Fed policies. Greater financial market volatility that helped gold has been of limited help to silver. According to HSBC US economic research, Fed policies may turn from creating headwinds for silver to being more supportive as the year unfolds, but a firm USD should cap any sharp silver price rise. With that said, silver prices, which started to recover in late 2018, will be better bid in 2019 as industrial demand led by strong photovoltaic, followed by electronic and chemical offtake also appears moderately good.

Jim took lively questions from the chapter members after his presentation. We thank Jim for his time and expertise and look forward to his headlining a future chapter meeting.
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For Maximum Value

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West Coast - 2113 East Sky Harbor Circle South, Phoenix, AZ 85034
800.556.7296 - www.Gannon-Scott.com
IPMI Welcomes New Patron Member
Brinks Global Services
New York, NY

IPMI Welcomes New Sustaining Member
Mercutek
Newtown, CT

IPMI® Calendar

2019

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 9</td>
<td>NE Chapter Jewelry Design Awards &amp; Meeting • Iron Works Tavern, Warwick, RI</td>
<td></td>
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<tr>
<td>May 21</td>
<td>ERAC Spring Conference • BASF Catalysts Division, Iselin, NJ</td>
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<tr>
<td>Jun 15-18</td>
<td>IPMI Annual Conference • Peppermill Resort, Reno NV</td>
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<tr>
<td>Sep 12</td>
<td>7th Annual IPMI Platinum Dinner • New York Palace Hotel, New York, NY</td>
<td></td>
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<tr>
<td>Nov 18-19</td>
<td>European Chapter Seminar • Lisbon, Portugal</td>
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2020

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>Feb 10-12</td>
<td>PRC / SAC Meeting • Houston, TX</td>
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