

PROFESSIONAL MEETINGS, COLLOQUIA, AND SEMINARS

Name Lectureships/Award Presentations

1. ***“How Does an ICP Respond to the Introduction of a Single Micro-Droplet?”***, George Y.-C. Chan and Gary M Hieftje. **2017 European Winter Conference on Plasma Spectrochemistry**, February 19-24, 2017, St. Anton, Austria. **Inaugural Emerging Leader in Atomic Spectroscopy Award – George Y.-C Chan Awardee** (Award Lecture presented by G. Y-C. Chan of Lawrence Berkeley Laboratory)

Invited papers or talks

1. ***“Presentations”***, Gary M. Hieftje, Analytical Seminar-A800, **Indiana University**, Chemistry Department, February 14, 2017, Bloomington, IN. (Invited lecture presented by G.M. Hieftje)
2. ***“A Brief Gaze into the Plasma Spectrochemistry Crystal Ball”***, Gary M. Hieftje. **2017 European Winter Conference on Plasma Spectrochemistry**, February 19-24, 2017, St. Anton, Austria. (Plenary lecture presented by G.M. Hieftje)
3. ***“Unique Atmospheric-Pressure Plasmas: Understanding Ionization, Fragmentation, and Other Chemical Processes”***, Jacob T. Shelley, Sunil P. Badal, Andrew J. Schwartz, Courtney L. Walton, Kelsey L. Williams, Yi You, Garrett M. MacLean and Gary M. Hieftje. **2017 European Winter Conference on Plasma Spectrochemistry**, February 19-24, 2017, St. Anton, Austria. (Plenary lecture presented by J.T. Shelley of Rensselaer Polytechnic Institute)
4. ***“Distance-of-Flight Mass Spectrometry for Atomic Analyses: Latest Results”***, Steven J. Ray, Gary M. Hieftje, Christie G. Enke and David W. Koppenaal. **2017 European Winter Conference on Plasma Spectrochemistry**, February 19-24, 2017, St. Anton, Austria. (Invited lecture presented by S.J. Ray of SUNY-Buffalo)
5. ***“Powerful Tools, Tricks, and Techniques for Metallomic Analysis”***, Gary M. Hieftje, Andrew J. Schwartz, Jacob T. Shelley, Courtney L. Walton and Kelsey L. Williams. **2017 Pittsburgh Conference and Exposition**, March 5-9, Chicago, IL. (Invited lecture presented by G.M. Hieftje)
6. ***“Academic Research to Marketplace: Can a Better Link be Forged?”***, Gary M. Hieftje. **2017 Pittsburgh Conference and Exposition**, March 5-9, Chicago, IL. (Invited lecture presented by G.M. Hieftje)
7. ***“Highly Versatile Source for Elemental, Speciation, and Metallomic Analysis”***, Gary M. Hieftje, Andrew J. Schwartz and Jacob T. Shelley, **International Conference on Instrumental Methods of Analysis (IMA2017)**, September 17-21, Heraklion, Greece. (Invited lecture presented by G.M. Hieftje)
8. ***“New Tools for Chemical Measurement and Characterization”***, Gary M. Hieftje. **University of North Carolina-Wilmington**, Wilmington, NC, September 29, 2017. (Invited lecture presented by G.M. Hieftje)
9. ***“Distance of Flight Mass Spectrometry for Atomic Spectrometry”***, Steven J. Ray, Andrew J. Schwartz, M. Bonner Denton, Gene Atlas, Jaime Orejas-Ibanez, and Gary M. Hieftje. **2017 SciX Conference**, Oct 8-13, 2017, Reno, NV. (Invited paper presented by S.J. Ray of SUNY-Buffalo, NY)
10. ***“Analysis of Solid and Aqueous Samples for Atomic and Molecular Species with Solution-Cathode Glow Discharge Mass Spectrometry (SCGD-MS)”***, Jacob T. Shelley, Andrew J. Schwartz, Courtney Walton, Garrett MacLean, Judy Wu and Gary M. Hieftje. **2017 SciX Conference**, Oct 8-13, 2017, Reno, NV. (Invited paper presented by J.T. Shelley of Rensselaer Polytechnic Institute)

2017 Hieftje Group-Related Presentations

11. ***“Recent Advances in Solution-Cathode Glow Discharge Mass Spectrometry”***, Andrew J. Schwartz, Jacob T. Shelley, Courtney Walton, Kelsey Williams and Gary M. Hieftje. **2017 SciX Conference**, Oct 8-13, 2017, Reno, NV. **(Invited paper presented by A.J. Schwartz of SUNY-Buffalo)**
12. ***“Glow Discharge – The Most Versatile Source”***, Gary M. Hieftje. **7th Asian Pacific Winter Conference on Plasma Spectrochemistry**, Nov. 12-17, 2017, Matsue, Japan. **(Invited short course presented by Gary M. Hieftje)**
13. ***“Progress in Plasma Spectrochemistry”***, Gary M. Hieftje, Andrew J. Schwartz, Jacob T. Shelley, Cera Cissna, Klemens Thaler, J.-Y. Song and Allen White. **7th Asian Pacific Winter Conference on Plasma Spectrochemistry**, Nov. 12-17, 2017, Matsue, Japan. **(Plenary lecture presented by Gary M. Hieftje)**
14. ***“Continuing Progress in Spectrochemistry”***, Gary M. Hieftje. **7th Asian Pacific Winter Conference on Plasma Spectrochemistry**, Nov. 12-17, 2017, Matsue, Japan. **(Heritage lecture presented by Gary M. Hieftje)**
15. ***“Why Don't Atomic Mass Spectrometers Use Simultaneous Measurement As Do Emission Spectrometers?”***, Gary M. Hieftje. **7th Asian Pacific Winter Conference on Plasma Spectrochemistry-Post Conference-University of Tokyo-Hongo**, Nov. 20, 2017, Tokyo, Japan. **(Invited lecture presented by Gary M. Hieftje)**

Contributed or competitive papers

1. ***“Detection of Atoms, Molecules, and Biomolecules with a Solution Cathode Glow Discharge Ionization Source for Mass Spectrometry”***, Courtney L. Walton, Andrew J. Schwartz, Kelsey L. Williams, Gary M. Hieftje and Jacob T. Shelley. **2017 Pittsburgh Conference and Exposition**, March 5-9, Chicago, IL. **(Lecture presented by C.L. Walton-Rensselaer Polytechnic Institute)**
2. ***“Improvement in Ambient Mass Spectrometry Sensitivity via Computational Fluid Dynamics”***, Jin Young Song, Allen R. White, Brian T. Molnar, Jacob T. Shelley and Gary M. Hieftje. **2017 SciX Conference**, Oct 8-13, 2017, Reno, NV. **(Lecture presented by Jin Song of Rose Hulman Institute of Technology)**