
ASMS FALL WORKSHOP
THE ART OF OPEN AIR IONIZATION ON SURFACES

Organizers: O. David Sparkman, *University of the Pacific*; Facundo Fernandez, *Georgia Institute of Technology*

THURSDAY, NOVEMBER 8

MORNING SESSION

- 9:00 - 9:15 Opening Remarks by Fernandez/Sparkman
What is Open Air Mass Spectrometry and How It Is Different from Atmospheric Pressure Ionization
- 9:15 – 10:00 **Using DESI for the Analysis of Analytes on Planar Separation Media**
Gary Van Berkel, *Oak Ridge National Laboratory*
- 10:00 - 10:15 Q&A
- 10:15 – 10:30 Break
- 10:30 - 11:30 **Harold Urey's Influence on Analyses by DART and DESI**
David Sparkman, *University of the Pacific*
- 11:30 - 12:00 Discussion
- 12:00 – 1:30 Lunch is provided at the Sheraton Society Hill Hotel in the Hamilton Room. Buses will shuttle to and from CHF. If you prefer to walk - take a left out of CHF onto Chestnut. 1 ½ blocks take a right onto 2nd St. Sheraton is located between 2nd and Walnut Streets at One Dock St.

AFTERNOON SESSION

- 1:30 - 2:30 **The Art of DART**
Robert Cody, *JEOL Inc.*
- 2:30 - 2:45 Q&A
- 2:45 – 3:00 Break
- 3:00 – 4:00 **Desorption Electrospray Ionization (DESI): A "How To" Discussion**
Dariusz Janecki, *Prosolia Inc.*
- 4:00 – 4:30 Discussion

4:30 pm – Reception and Tour of Chemical Heritage Foundation

FRIDAY, NOVEMBER 9

MORNING SESSION

- 9:00 - 9:45 **The Development of a Searchable Library for Direct Analysis Real Time (DART) Accurate Mass Spectral Data**
Lisa Schumacher, *FBI Laboratories*
- 9:45 - 10:00 Q&A
- 10:00 - 10:15 Break
- 10:15 - 11:00 **DESI and DART for Counterfeit Drug Fingerprinting**
Facundo M. Fernandez, *Georgia Institute of Technology*
- 11:00 - 11:15 Q&A
- 11:15 - 12:00 **DESI-MS: A New Tool for Forensic Chemistry Laboratories**
Sandra Rodriguez-Cruz, *Drug Enforcement Administration*
- 12:00 - 12:15 Discussion
- 12:15 - 1:45 Lunch is provided at the Sheraton Society Hill Hotel in the Hamilton Room. Buses will shuttle to and from CHF. If you prefer to walk - take a left out of CHF onto Chestnut. 1 ½ blocks take a right onto 2nd St. Sheraton is located between 2nd and Walnut Streets at One Dock St.

AFTERNOON SESSION

- 1:45 - 2:45 **Fundamentals and Applications of DESI and MALDESI Coupled to FT-ICR-MS**
David Muddiman, *North Carolina State University*
- 2:45 - 3:00 Q&A
- 3:00 - 3:15 Break
- 3:15 - 4:15 **Out-of-the-Laboratory Surface Analysis**
Ross C. Willoughby, *Chem-Space Associates*
- 4:15 - 4:45 Discussion

STUDENT TRAVEL STIPEND RECIPIENTS

Christina Y. Hampton, *Georgia Institute of Technology*
Nancy Medina, *City College of New York*
Ivory X. Peng, *University of California, Los Angeles*
Julia L. Rummel, *University of Florida*
Sara E. Whitson, *University of Akron*