Message from the Program Chair

Welcome to the 2016 EAS technical program consisting of an array of oral and poster sessions to reflect our current EAS theme “Analytical Chemistry Opens Doors.”

These invited sessions illustrate the breadth of scientific applications and the impact of the many analytical innovations on numerous application areas. The list of this year’s EAS and Sponsoring Organization award winners from the research fields of biochemistry, environment, food, chemical, and pharmaceutical, further demonstrates how far the analytical chemistry field reaches and the significant contribution to several key areas of current research it makes. The major innovations of the analytical field will be highlighted by our award winners’ based on their scientific excellence as documented in the scientific journals. In addition to honoring the renowned scientists in their fields, EAS 2016 will present the Young Investigator Award to Dr. Lili He in recognizing her research excellence within three years of being a faculty in the Food Science Department at the University of Massachusetts, Amherst. Her research focus of developing surface enhanced Raman Spectroscopy (SERS) techniques has a variety of applications in food safety and food chemistry fields. Visit our website for all of our awardees’ biographies.

We invite you to submit an abstract and be a part of the contributed oral and poster program. Our contributed sessions are excellent companions of the invited presentations. They will showcase recent advances in analytical techniques and their applications. Please note that the abstract submission window for contributed oral presentations is March 1 - May 16, and for contributed poster presentations is March 1 - September. 12.

On behalf of the EAS Program Committee, we look forward to your participation in our exceptional 2016 program this coming November.

Judy Lin
2016 EAS Program Chair

2016 EAS Invited Technical Sessions

Note: This is a preliminary list of sessions. Other oral and poster sessions will be announced at a later date.

We invite you to plan to join us at the EAS 2016! This is also an invitation to contribute a paper to EAS in your own analytical subject area for review and acceptance. Complementary papers to the topics mentioned below are especially welcome but we encourage all areas of analytical chemistry. Visit our website for more information about our Call For Papers from March 1 - May 16, and posters through Sep. 12 at www.EAS.org

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<th>AWARD SESSIONS</th>
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| **EAS AWARD FOR OUTSTANDING ACHIEVEMENTS IN THE FIELDS OF ANALYTICAL CHEMISTRY**  
Honoring Purnendu (Sandy) Dasgupta
University of Texas-Arlington
Chair: Satinder Ahuja, Ahuja Consulting | **EAS AWARD FOR OUTSTANDING ACHIEVEMENTS IN NUCLEAR MAGNETIC RESONANCE**  
Honoring Gary Martin, Merck
Chair: Thomas Williamson, Merck |
| **EAS AWARD FOR OUTSTANDING ACHIEVEMENTS IN NEAR INFRARED SPECTROSCOPY**  
Honoring Samuel Coleman, ColeSpec Services
Chair: Franklin Barton, LightLight Solutions | **EAS AWARD FOR OUTSTANDING ACHIEVEMENTS IN SEPARATION SCIENCES**  
Honoring Luis Colón, SUNY-Buffalo
Chair: To be announced |
| **EAS AWARD FOR OUTSTANDING ACHIEVEMENTS IN MASS SPECTROMETRY**  
Honoring Richard Smith  
Pacific Northwest National Laboratory
Chair: Erin Baker, Pacific Northwest National Laboratory | **EAS YOUNG INVESTIGATOR AWARD**  
Honoring Lili He, University of Massachusetts
Chair: Jason White, CT Agricultural Experiment Station |
| **NEW YORK SECTION OF THE SOCIETY OF APPLIED SPECTROSCOPY GOLD MEDAL AWARD**  
Honoring: James G. Fujimoto, MIT
Chair: Deborah Peru, Colgate-Palmolive Co. | **AMERICAN MICROCHEMICAL SOCIETY BENEDETTI PICHLER AWARD**  
Honoring: To be announced
Chair: Robert Vetrecin |
### 2016 EAS Invited Technical Sessions cont.

#### NON-AWARD SESSIONS

**BIOANALYSIS**
- New Analytical Approaches in Support of High Throughput Screening  
  Chair: Wilson Shu, Bristol-Myers Squibb

**CHROMATOGRAPHY**
- Current Trends in Sample Preparation  
  Chair: Mary Ellen McNally, E.I. DuPont de Nemours and Company
- Recent Advances in Chromatography  
  Chair: William Barber
- Two-Dimensional Liquid Chromatography, organized by the North Jersey Chromatography Group  
  Chair: Landon Greene, Bristol-Myers Squibb

**CONSUMER PRODUCTS**
- Food Analysis  
  Chair: Christina Robb, Connecticut Agricultural Experiment Station
- Counterfeit of Manufactured Products  
  Adam Lanzarotta, US FDA
- Medicinal Cannabis: Perspectives on Analysis and Regulatory Requirements  
  Chair: Jason Shen, Celgene

**CULTURAL HERITAGE**
- MFT and Diverse Methods for Cultural Heritage I
- MFT and Diverse Methods for Cultural Heritage II
- Microfading Technology for Cultural Heritage I
- Microfading Technology for Cultural Heritage II  
  Chair: John Scott, New York Conservation Foundation

**ENVIRONMENTAL ANALYSIS**
- Going Green: Spectroscopy Enabling Green Chemistry  
  organized by The Coblentz Society
  Chair: Brandye Smith-Goettler, Merck

**FORENSIC ANALYSIS**
- Forensic Trace Evidence...Is Booming!  
  Chair: Matthew Wood, Ocean County Sheriff's Office Forensic Laboratory
- Research from our Emerging Forensic Scientists  
  Chair: Barry Logan, NMS Labs

**LABORATORY ANALYSIS**
- Leading a Diverse Organization  
  Chair: Dennis Swijter, ALMA
- Industrial Applications of Polymer Analysis and Characterization  
  Chair: Sandra Ferris, Dow Chemical Company

**MASS SPECTROMETRY**
- Global and Targeted Analysis of Protein Using LC/MS  
  Chair: Jun Qu, SUNY-Buffalo
- "Current Trends in Mass Spectrometry"  
  Chair: Allen Jones, Liquid Light

**MICROSCOOPY**
- Industrial Applications of Microscopy  
  Chair: John Reffner, John Jay College
- Forensic Microscopy X  
  Chair: Thomas Kubic, Taka Micro

**NMR SPECTROSCOPY**
- Dynamic Nuclear Polarization: Getting the Most Out of NMR  
  Chair: Dewey Barich, GlaxoSmithKline
- Quantitative NMR—Methods and Applications  
  Chair: Steven Bai, University of Delaware

**PHARMACEUTICAL ANALYSIS**
- Analytical Challenges of Generic Drug Development  
  Chair: Kim Huynh-Ba, Pharmalytik
- Predictive In-Vitro Analysis  
  Chair: Justin Pennington, Merck
- Analytical Methods for 21st Century Cleaning Validation  
  Chair: Andrew Walsh, Center for Pharmaceutical Cleaning Innovation
- In-Process Control: From API to Drug Product  
  Chair: Laurent Lechman, Bristol-Myers Squibb
- CoSMoS Method Development Olympics Competition (MDO)  
  Chair: Karen Alsante and Bill Farrell, Pfizer
- Overcome the Challenges in Parental Drug Development and Analysis  
  Chair: Xujin Lu, Bristol-Myers Squibb

**SPECTROSCOPY**
- Innovative Practical Applications of Atomic Spectroscopy  
  Chair: Lydia Breckenridge, Bristol-Myers Squibb
- Industrial Applications of NIR Spectroscopy, organized by The Coblentz Society  
  Chair: Brandye Smith-Goettler, Merck
- Chemical Imaging, organized by The Coblentz Society  
  Chair: Michael Walsh, University of Illinois-Chicago
- Vibrational Spectroscopy in Defense and Security, organized by The Coblentz Society  
  Chair: David Schiering, Czitech

**SURFACE SCIENCE**
- Surface Science and Spectroscopy of Nanoparticles and Nanomaterials  
  Chair: Andrew Teplyakov, University of Delaware