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February 2017

Newsletter of the Eastern Analytical Symposium & Exposition



The year 2017 begins a new journey for EAS with our move to the Crowne Plaza Princeton—Conference Center in Plainsboro, NJ. While we cherish the memories created by our EAS community the past 25 years in Somerset, we also heard the wishes of our exhibitors and conferees to have the entire symposium under one roof in a modern facility. It has been years in the making and we are very excited to have identified the Crowne Plaza Princeton –Conference Center as our new venue. By organizing the entire symposium in one facility, we can provide an increased level of interactions between conferees, speakers, exhibitors, and short course attendees. Please make sure to let everyone know about our change of venue.

The theme for EAS this year is “**Building our Analytical Future**” and hopefully you will recognize our desire to continue building Eastern Analytical Symposium & Exposition into the premier analytical symposium. The theme graphic design revolves around a blueprint, and as such, we are designing our program to offer a “blueprint” to the future of both EAS and analytical chemistry as a whole

This coming year we will continue to offer Plenary and Award Sessions, Technical Program, Short Courses, Workshops, Exposition, Employment Bureau, and all of the other activities throughout the year that you are accustomed to participating in at EAS.

We hope that you will take the opportunity to build your analytical future alongside Eastern Analytical Symposium by contributing an abstract for an oral or poster presentation or participating in all that EAS has to offer. I look forward to interacting with you online and seeing you at the Crowne Plaza Princeton-Conference Center this November.

Justin Pennington
EAS President



**BUILDING
AND
ANALYTICAL
FUTURE**
2017 EASTERN ANALYTICAL SYMPOSIUM & EXPOSITION

NEW LOCATION

CROWNE PLAZA PRINCETON - CONFERENCE CENTER
PLAINSBORO, NEW JERSEY, USA
NOVEMBER 13-15, 2017

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2017 Registration Rates

	Registration received	Before Oct. 15	After Oct. 15
Full Conferee		\$225	\$300
Exhibit-Only		\$100	\$100
Full-Time Student		\$30	\$30
High School Student with Seminar (must register for a seminar)		\$0	\$0
Half-Day Short Course (must register as full conferee in order to take course)		\$375	\$525
One-Day Short Course (must register as full conferee in order to take course)		\$575	\$775
Two-Day Short Course (must register as full conferee in order to take course)		\$850	\$1175

Message from the Program Chair



We are delighted to provide the 2017 EAS technical program themed “*Building our Analytical Future*” at the new, beautiful Crowne Plaza Princeton Conference Center location. This great new venue fully integrates the vendor exposition with the technical talks under one roof. Accepted posters will also be more centralized to the activity located throughout the pond-view causeway, overlooking the serene scenery.

Our invited sessions provide a vibrant array of analytical topics covering the broad interests of our attendees from academia and industry alike. The EAS Awards and our sponsoring organizations’ awards celebrate analytical excellence across several prominent analytical areas including solid state NMR, mass spectroscopy, separation science and chemometrics. The 2017 EAS Fields Award honors Prof. Janusz Pawliszyn, University of Waterloo, for his renowned achievements across multiple fields including solid phase micro-extraction, microfluidics, capillary sampling and multi-dimensional separations methodologies

We are also pleased to welcome Merck’s Distinguished Scientist Chris Welch to receive the EAS Award for Outstanding Achievements in Separation Sciences for his superior separation approaches in expedited and multi-dimensional technologies fulfilling the needs and challenges of high-throughput analysis in the modern pharmaceutical era. The Outstanding Achievements Award recipient Professor Bernhard Blümich RWTH Aachen University tops a very strong solid state NMR session accompanied by a series of sessions focused on solid state analysis using a wide range of analytical techniques, including X-ray, Raman or FT-IR, Maldi with atomic force or scanning electron microscopy. Prof. Barry Lavine, Oklahoma State University, is accepting the EAS Outstanding Achievements in Chemometrics. Prof. Scott McLuckey, Purdue University, is being awarded for his collisional activation in analytical mass spectroscopy contributions to the MS Community at large. In addition to honoring the renowned scientists in their fields, EAS 2017 will present Prof. Dwight Stoll, Gustavus Adolphus College, the Young Investigator Award recognizing his excellent research on recent advances in 2D-LC.

The 2017 program has great sessions on cultural heritage conservation, microscopy, environmental science and lab forensics, just to name a few topics. Please join us, connect cross-functionally and identify new collaboration opportunities.

Help “Build our Analytical Future” by contributing an abstract for an oral or poster session. The abstract submission window for contributed oral presentations is March 1 to May 26, and for contributed poster presentations it is March 1 to September 1, 2017. On behalf of the EAS Program Committee, I am confident that 2017 EAS will be outstanding with an exceptional technical program this coming November.

Michael Hicks
2017 EAS Program Chair

2017 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 2017! 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 26, and posters through Sep. 1st at www.EAS.org

AWARD SESSIONS

EAS AWARD FOR OUTSTANDING ACHIEVEMENTS IN THE FIELDS OF ANALYTICAL CHEMISTRY

Honoring Janusz Pawliszyn, University of Waterloo
Chair: Nicholas Snow, Seton Hall University

EAS AWARD FOR OUTSTANDING ACHIEVEMENTS IN CHEMOMETRICS

Honoring Barry Lavine, Oklahoma State University
Chair: Steven Brown, University of Delaware

EAS AWARD FOR OUTSTANDING ACHIEVEMENTS IN SEPARATION SCIENCE

Honoring Christopher Welch, Merck & Co.
Chair: Mirlinda Biba, Merck & Co.

EAS AWARD FOR OUTSTANDING ACHIEVEMENTS IN MASS SPECTROMETRY

Honoring Scott McLuckey, Purdue University
Chair: Alice Pilo-Newman, Merck & Co.

AWARD SESSIONS

EAS AWARD FOR OUTSTANDING ACHIEVEMENTS IN MAGNETIC RESONANCE

Honoring Bernhard Blümich, RWTH Aachen University
Chair: Songi Han, University of CA-Santa Barbara

EAS YOUNG INVESTIGATOR AWARD

Honoring Dwight Stoll, Gustavus Adolphus College
Chair: William Barber

NY/NJ SECTION OF THE SOCIETY OF APPLIED SPECTROSCOPY GOLD MEDAL AWARD

Honoring: Richard Van Duyne, Northwestern University
Chair: Kathryn Lee, rap-ID

AMERICAN MICROCHEMICAL SOCIETY BENEDETTI PICHLER AWARD

Honoring: *To be announced*
Chair: Robert Vetrechin

2017 EAS Invited Technical Sessions cont.

NON-AWARD SESSIONS

BIOANALYSIS

- Analysis of Large Molecules in Biological Samples: LC-MS and LBA
Chair: Wenying Jian, Janssen R&D
- Vibrational Characteristics of Biologics
Chair: Anna Luczak, Varsha.Ganesh, Bristol-Myers Squibb

CHROMATOGRAPHY

- Building the Future in Sample Preparation with Young Investigators
Chair: Mary Ellen McNally, DuPont Crop Protection
- Recent Advances in 2D-LC, Part 2: Solving Real-World Problems in the Pharmaceutical and Chemical Industries
Chair: William Barber
- Emerging Frontiers in High-Throughput Analysis for Process Research & Development
Chair: Wes Schafer, Merck & Co.

CULTURAL HERITAGE

Organized by the New York Conservation Foundation

- Vibration Science and Technology in Cultural Heritage I
Chair: William Wei, Netherlands Institute for Cultural Heritage
- Vibration Science and Technology in Cultural Heritage II
Chair: Andrew Lins, Philadelphia Museum of Art
- Vibration Science and Technology in Cultural Heritage III
Chair: William Wei, Netherlands Institute for Cultural Heritage
- Vibration Science and Technology in Cultural Heritage IV
Chair: John Scott, New York Conservation Foundation

ENVIRONMENTAL ANALYSIS

- The Challenge of Testing for Mutagenic Impurities While Considering the Total Exposure
Chair: James Stuart, University of Connecticut
- Quality Data for Monitoring Pollution and Climate Change, organized by The Coblenz Society
Chair: Brandye Smith-Goettler, Merck & Co.
- Monitoring Water Pollution to Prevent Future Flints
Chair: Sut Ahuja, Ahuja Consulting

EDUCATION

- Opportunities and Tips for Securing Research Support from NSF (and Elsewhere)
Chair: Kelsey Cook, National Science Foundation

FORENSIC ANALYSIS

- Cannabinoids
Chair: Michelle Peace, Virginia Commonwealth University
- Breaking Bad Chemistry: The Forensic Response to Clandestine Labs
Chair: Thomas Blackwell, United States Department of Justice
- Research from our Emerging Forensic Scientists
Chair: Monica Joshi, West Chester University

LABORATORY ANALYSIS

- In- or Out-Sourcing. That is the Question
Chair: Dennis Swijter, ALMA

MASS SPECTROMETRY

- Desorption Mass Spectrometry
Chair: Barbara Larsen, DuPont
- Innovations and Applications in Mass Spectrometric Analysis
Chair: Jim Shen, Bristol-Myers Squibb

MICROSCOPY

- Industrial Applications of Atomic Force Microscopy (AFM)
Chair: Amanda Mann, Matt Lamm, Merck & Co.
- Forensic Microscopy XI "What is it, and who does it"
Chair: Thomas Kubic, Taka Micro

NMR SPECTROSCOPY

- Solid-State NMR of Natural Products: Life Without Labels
Chair: Youngchao Su, Merck & Co.

PHARMACEUTICAL ANALYSIS

- Challenges of Lifecycle Management for Method Validation
Chair: Kim Huynh-Ba, Pharmalytik
- Analytical Challenges in Assessment of Drug Formulation Performance and *In-Vitro* Drug Release
Chair: Xujin Lu, Bristol-Myers Squibb

SPECTROSCOPY

- New Frontiers in Solid Analysis Spectroscopy
Chair: Lydia Breckenridge, Bristol-Myers Squibb
- Integrating Process Analytical Technologies for Pharmaceutical Manufacturing Control, organized by The Coblenz Society
Chair: Brandye Smith-Goettler, Merck & Co.
- Counterfeit Determination, organized by The Coblenz Society
Chair: Brandye Smith-Goettler, Merck & Co.
- Ultrasensitive Spectroscopy, organized by NY/NJ SAS
Chair: Gene Hall, Rutgers University



2017 PRELIMINARY LIST OF SHORT COURSES

EAS short courses are designed to help the practicing analyst develop new skills and enhance knowledge. Taught by experts, the short courses emphasize practical knowledge of a variety of important topics to help one keep current with best practices and new techniques. Whether you want to learn of a new analytical technology, understand new regulations, explore a new analytical field, or just brush up a new concept in your area of expertise, there is a course for you. EAS will be offering half-day, one-day and two-day courses. **Mariann Neverovitch, 2017 Short Course Chair**

[Click on course title to link to course description](#)

# of Days	Course Names	Instructors
2-day	Modern HPLC/UHPLC for Practicing Scientists Part 1 &/or 2: Fundamentals, Best Practices and Applications (NEW!)	Dr. Michael W. Dong, MWD Consulting
2-day	Quality by Design (QbD): A New Paradigm for the Analytical Laboratory Part 1 &/or 2	Dr. Zenaida Otero Gephardt, Rowan University
2-day	Practical Gas Chromatography	Dr. Eugene Barry, University of Massachusetts Dr. Thomas Brettell, Cedar Crest College
2-day	Troubleshooting Chromatographic Systems	Dr. Merlin K.L. Bicking, ACCTA, Inc. Dr. Douglas E. Raynie, SD State University
2-day	LC/MS: Theory, Instruments, and Applications	Dr. Guodong Chen, Bristol-Myers Squibb Dr. Ragu Ramanathan, Pfizer
2-day	How to Develop Validated HPLC Methods: Rational Design with Practical Statistics and Troubleshooting	Dr. Brian Bidlingmeyer, Analytical Acumen Inc. Dr. Stanley Deming, Statistical Designs
2-day	Chemometrics without Equations Part 1 &/or 2	Dr. Donald Dahlber, Lebanon Valley College Dr. Neal Gallagher, Eigenvector
1-day	PAT/QbD: Enhancing Effectiveness in the Analytical Laboratory (NEW)	Dr. Zenaida Otero Gephardt, Rowan University
1-day	Analytical Development for Generics and Over-the-Counter Products (NEW)	Dr. Satinder Ahuja, Ahuja Consulting
1-day	A Systematic Way for Analytical Chemists to Prepare for a Quality Audit or Regulatory Inspection (NEW)	Ms. Kim Huynh-Ba, Pharmalytik
1-day	Update on New Analytical Requirements of USP General Chapters (NEW)	Mr. Gregory Martin, Complectors Consulting
1-day	Introduction to Atomic Force Microscopy (AFM) for Industrial Applications (NEW)	Dr. Dalia Yablon, SurfaceChar
1-day	Introduction to Basic Light and Electron Microscopy for Pharmaceutical Industry Quality Scientists (NEW)	Dr. Thomas Kubic, TAKA Instructional Agency
1-day	Getting the most from GC and GC/MS	Dr. Gregory Slack, Clarkson University Dr. Nicholas Snow, Seton Hall University
1-day	Interpretation of Mass Spectra with Practical Solutions to Problems	Dr. Mike Lee, Milestone Development
1-day	Introduction to GLP Regulations and Bioanalytical Method Validation by LC-MS/MS	Dr. Perry Wang, LC-MS Technical Expert
1-day	LC-MS Method Development for Small Molecule Pharmaceuticals	Dr. Perry Wang, LC-MS Technical Expert
1-day	Keeping Your Analytical Procedures in Compliance with the FDA: Validation, Documentation, Investigation	Ms. Kim Huynh-Ba, Pharmalytik
1-day	Introduction to Vibrational Spectroscopy for Real Time Analysis	Dr. John M. Wasylyk, Bristol-Myers Squibb Dr. Peter J. Larkin
1-day	Impurities In Pharmaceuticals – A Survey Course	Dr. Bernard Olsen, Olsen Pharmaceutical Consulting
1-day	The Chemistry of Drug Degradation	Dr. Gregory Sluggett, Pfizer Dr. Todd Zelesky, Pfizer
1-day	Lifecycle Approach to Analytical Methods: Incorporating QbD Concepts into Method Development, Validation, Verification and Transfer	Mr. Gregory Martin, Complectors Consulting
½ -day	Introduction to Drug Discovery/Development Process (NEW)	Dr. Michael W. Dong, MWD Consulting

EAS Awards Program

Cecil Dybowski, 2017 EAS Awards Chair

Each year the Eastern Analytical Symposium honors Analytical Chemists who have distinguished career achievements. The recipients of these awards advanced these fields by superior work in developing theory, techniques or instrumentation. This year scientists in six areas of endeavor, will be presented awards.



Prof. Janusz Pawliszyn
University of Waterloo
EAS Award for Outstanding Achievements in the Fields of Analytical Chemistry



Prof. Bernhard Blümich
RWTH Aachen University
EAS Award for Outstanding Achievements in Magnetic Resonance



Prof. Barry Lavine
Oklahoma State University
EAS Award for Outstanding Achievements in Chemometrics



Dr. Christopher Welch
Merck & Co.
EAS Award for Outstanding Achievements in Separation Science



Prof. Scott McLuckey
Purdue University
EAS Award for Outstanding Achievements in Mass Spectroscopy



Dwight Stoll
Gustavus Adolphus College
EAS Young Investigator Award

Two other awards will be presented at the Annual Symposium in November under the auspices of the EAS sponsoring organizations



Prof. Richard Van Duyne
Northwestern University
NY/NJ Section of the Society for Applied Spectroscopy Gold Medal Award

To Be Announced
American Microchemical Society Benedetti-Pichler Award

EAS Awards are selected by independent juries of experts in these respective fields from nominations received by the Award Committee from the scientific community at large or by the jury members. Each award consists of an honorarium, travel expenses to EAS, a plaque, and the opportunity for the Awardee to present his or her work at EAS at an Award Symposium in his/her honor. Visit our website for full biographies for each Awardee.

Persons wishing to make a nomination for any of the awards given by EAS should send complete documentation of the candidate (nominating letter summarizing achievements, curriculum vita or resume, a statement of the nominee's willingness to present an address as part of an EAS Award Symposium, and arrange for at least one seconding letter) electronically (**single PDF file is preferred**) to: awards@eas.org The length of the nomination packet should be commensurate with the nominee's accomplishments, but should be limited to six to eight pages. The deadline for all 2018 award nominations is September 1, 2017.

Undergraduate and Graduate Student Awards

The Eastern Analytical Symposium and Exhibition annually offers awards to recognize and encourage scientific promise and research talent in **undergraduate chemistry students**. The awardees should be students who are already involved in research, in the field of analytical chemistry.

Again this year, EAS will also be offering an **award to GRADUATE STUDENTS** who show outstanding talent for scientific research. This award will be open to graduate students who have been significantly involved in a research project at the graduate level for a minimum of a year, and who will not have graduated by the Fall 2017 semester.

Winners will receive an all-expense paid trip to the EAS, be presented with plaques at an award luncheon, and have an opportunity to present their research project in a poster session. In addition, they will be able to participate in all the usual activities of a world-class scientific convention and meet distinguished members of their future profession. Professors who nominate students will receive free full-conferee registration for the EAS.

All nominations are due by **April 30, 2017** and should be submitted by e-mail to student.awards@eas.org or grad.awards@eas.org. Visit our website for details on how to nominate an undergrad and graduate student.

2017 EAS Workshops

EAS is committed to your professional development, as well as the enhancement of knowledge. Our workshops include topics to help develop your professional skills, as well as to hone other skills critical for career success. These workshops will provide insight into the best techniques for presenting your background and relevant experience using both social media and traditional resume formats. Skills such as these are essential today, and EAS is the place to begin or continue developing them. We offer different workshops each day, which are free to all attendees with a Full Conferee or Student registration. Workshop descriptions and registration details will be posted on the EAS website in early June -stay tuned!

Sue Evans Norris
Employment Committee Chair

2017 Student Seminars

The Eastern Analytical Symposium has an Outreach Program for high school chemistry and science teachers, collegiate undergraduates, as well as high school students.

On Sunday, November 12th, EAS will hold a **Free** professional development seminar offered exclusively to high school teachers.

EAS will also offer one Outreach Seminar each day, Monday, November 13 through Wednesday, November 15 for college undergraduate students and high school students. Each seminar will have recognized leaders from academia and industry presenting perspectives on careers in chemistry and fields of interest.

Registration for the Outreach Seminars is required to reserve a space. High school students attending with their teacher may register for a Seminar for free. Information on course descriptions and schedules will be posted on our website as soon as they are finalized. Registration will open in early July.

Please contact Eastern Analytical Symposium at askeas@eas.org or visit our website at www.EAS.org for more information.

Shirley Fischer-Drowos
Seminar Chair

Expo News You Can Use

Sheree R. Gold, Exposition Director

Visitors to the 2017 Eastern Analytical Symposium & Exposition will see a show that is radically different than in previous years, when we operated out of three separate buildings. Having the exposition, technical program, short courses, workshops, employment bureau, and seminars all under one roof will allow attendees to flow easily from one function to another, making maximum use of their time at the show.

Entering our new venue at the Crowne Plaza Princeton – Conference Center in Plainsboro, NJ, from the entrance on the first floor, you will see the registration area ahead of you. Once you have received your badge and meeting materials, you will discover the exposition a few steps away in four separate rooms. The Lakeside Terrace Ballroom on the right side of the hall, and the Madison, Wilson, and Einstein rooms on the other side, all contain a mixture of standard booths and tabletop displays allowing attendees to easily move from one exhibitor to another. The 25 booths and 65 tabletop displays (*see preliminary list of Exhibiting Companies on next page*) represent a major departure from previous years when almost all exhibitors were in standard booths located in one large exhibit space. This new arrangement provides a relaxed environment for attendees and exhibitors to interact and discuss analytical instrumentation, products, services, and supplies. Instrument demo rooms, hospitality suites, and exhibitor seminar rooms are conveniently located in rooms on the first, second, and third floors of the conference center easily accessible to both exhibitors and attendees.

Networking events like the Plenary Lecture and mixer on Monday afternoon and a mixer on Tuesday afternoon will allow everyone, attendees and exhibitors alike, to benefit from the relaxed environment, discovering practical solutions to analytical problems while socializing with friends, customers, and colleagues.

For information on exhibiting at the 2017 EAS, please contact me at 610-742-4981 (cell) or easinfo@aol.com. I look forward to seeing you all in November, as we work together Building Our Analytical Future.

BUILDING OUR ANALYTICAL FUTURE

2017 EASTERN ANALYTICAL SYMPOSIUM & EXPOSITION

CALL FOR PAPERS

Oral Presentations: March 1–May 26

Poster Presentations: March 1–September 1

Online Submission at eas.org



NEW LOCATION

CROWNE PLAZA PRINCETON – CONFERENCE CENTER

NOVEMBER 13-15, 2017 | PLAINSBORO, NEW JERSEY, USA

Build Your Analytical Future at the 2017 EAS With These Exhibiting Companies

Last updated February 17, 2017

Activated Research	Microliter
Agilent Technologies	MicroSolv
American Laboratory	MilliporeSigma
American Pharmaceutical Review	Metrohm USA
Analytik Jena	Mettler Toledo
Arizona Instrument	New Era Enterprises
Bruker Corporation	New York Microscopical Society
B&W Tek	NJ Mass Spec Discussion Group
Carltext	Omicron Scientific
CEM Corporation	Parker Hannifin
Chromatography Forum of DE Valley	PerkinElmer Inc.
Defiant Technologies	Power 4, LLC
Distek	Quantum Analytics
Dissolution Technologies	Reichert Technologies
Elemental Scientific	Restek
Entech Instruments	Rigaku Americas Corp.
ES Industries	Rudolph Research Analytical
Evolution Scientific	Sciex
Gerstel	Shimadzu Scientific Instruments
Gibraltar Laboratories	Spex Sample Prep
Hi Scientific	Sotax
INFICON	TA Instruments
JEOL	Thermo Fisher Scientific
Kinesis	US Pharmacopeial Convention
Lab Manager/LabX	VUV Analytics
LCGC and Spectroscopy Magazines	Waters Corporation
LGC Standards	Wyatt Technology
Logan Instruments	YMC America
Macherey-Nagel	ZirChrom Separations
Mac-Mod Analytical	

Limited exhibitor space remains for the 2017 EAS at the Crowne Plaza Princeton - Conference Center.
For information, please contact Sheree R. Gold, Exposition Director at 610-742-4981 or easinfo@aol.com

The 2016 Eastern Analytical Symposium – Facts and Statistics

Table I

2016 Registration at a Glance

Total	2005
Full Conferee	1088
Exhibitor Personnel	450
Expo-Only	467

Table II

Employer Category of Those Attending the 2016 EAS

Category	Number
Total Responding	1222
Industry	812
Academic (Student)	228
Academic (Faculty)	67
Other	46
Government	30
Self-Employed	23
No Response	12
Retired	4

Table III

Primary Job Responsibility of Those Attending the 2016 EAS

Total Responding	1222
Chemist/Scientist	564
Student	228
Lab Manager	83
Sales/Marketing	62
Group Leader	51
Other	50
Lab Director	49
Instructor/Professor	41
Administration	39
Technician	31
No Response	19
Purchasing	5

Table IV

Primary Techniques/Interest of Those Attending the 2016 EAS*

Total Responses	2808
Chromatography – Liquid/High Pressure Liquid	450
Chromatography – Gas	292
Chromatography – General	261
Spectrometry – Mass	245
Spectroscopy – General	123
No Response	100
Spectroscopy – Infrared/Mid-infrared/Raman	98
Microscopy	67
Lab Automation	65
Wet Chemistry	65
Spectroscopy – Ultraviolet/Visible	48
Other	47
Spectroscopy – Magnetic Resonance	45
Laboratory Information Management	36
Sampling	32
Chromatography – Size Exclusion	31
Thermal Analysis	29
Chemometrics	28
Chromatography – Ion	27
Chromatography – Other	23
Electrochemistry	21
Surface Analysis	18
Capillary Zone Electrophoresis	18
Spectroscopy – Atomic Absorption/Emission	17
Chromatography – Thin Layer	15
Spectroscopy – Fluorescence	14
Electrophoresis	11

*Respondents could select a maximum of two techniques/interests

Table V

Primary Applications of Those Attending the 2016 EAS

Total Responses	2553
Pharmaceutical Analysis	583
Lab Instrumentation	345
Biotechnology	243
Forensic Analysis	174
Environmental Analysis	154
Food Science	145
Polymer Analysis	134
Education	119
Flavors/Fragrances	108
Process Analysis	98
Cosmetics	94
ISO/GMP	90
No Response	86
Microscale/Nanoscale Analysis	54
Hazard Analysis	49
Other	40
Heritage Conservation	37



The Governing Board of EAS would like to thank the following sponsors for their support

Sponsors of the 2016 EAS Awards Program

Agilent Technologies
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Bristol-Myers Squibb
Bruker BioSpin
Merck & Co.
New Era Enterprises
Thermo Fisher Scientific

2016 Plenary Lecture Sponsor

Kuraray America

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Shimadzu Scientific Instruments

2016 Food Carts

Shimadzu Scientific Instruments

Sponsors of the 2016 EAS Technical Activities

Chromatography Forum of the DE Valley
Delaware Valley SAS
New England SAS
NJ-ACS Materials Topical Group
NJ Association of Forensic Scientists
New York Microscopical Society
New York Section of ACS
TAKA Instructional Agency, Inc.

2016 Mixer in Expo Area

EST Analytical
Shimadzu Scientific Instruments

Corporate Sponsors actively participate in the Eastern Analytical Symposium and Exposition. There are numerous opportunities for Corporate Sponsorship of technical sessions, awards, and other activities at the 2017 EAS as well as advertising opportunities in our Final Program. For information, please contact the EAS Executive Secretary at askeas@eas.org

2017 EAS

November 13-15, 2017

Plainsboro, NJ

OFFICERS

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Special Functions: Oscar Liu, Insys Therapeutics

EXPOSITION DIRECTOR

Sheree Gold at easinfo@aol.com

EXECUTIVE SECRETARY

Bernadette Taylor at askeas@eas.org



IMPORTANT DATES

March 1 Abstract submission opens for contributed oral and poster abstracts
May 16 Abstract submission deadline for contributed **oral** abstracts
June 15 Presenters of invited presentations are contacted by email with Session schedules & instructions for the submission of final abstracts
July 1 Presenters of contributed oral presentations are contacted by email with session schedules and presentation guidelines
July 15 Registration opens
July 31 Deadline for receipt of final abstracts for invited presentations
Aug. 1 Preliminary Program posted on www.EAS.org
Sept. 12 Abstract submission deadline for contributed **poster** abstracts
Oct. 15 Deadline to register for 2017 EAS at a reduced price
Nov. 1 Deadline to cancel registration and still receive a refund
Nov. 13-15 **56th Eastern Analytical Symposium & Exposition**

How to contact us....

General Information
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