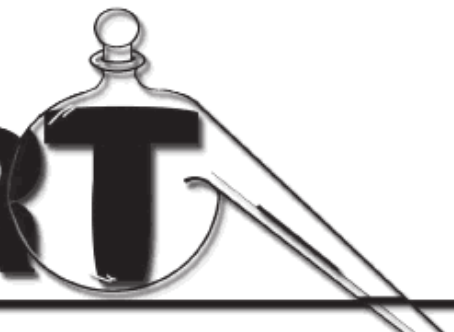




RETORT



February 2018

Newsletter of the Eastern Analytical Symposium & Exposition



2018 EASTERN ANALYTICAL SYMPOSIUM & EXPOSITION

ANALYTICAL SOLUTIONS TO THE WORLD'S PROBLEMS

November 12-14, 2018
Crowne Plaza Princeton
Conference Center
Plainsboro, NJ



We are actively preparing for a triumphant 2018 at the Crowne Plaza Princeton Conference Center. After the success of 2017 in this new venue, we are excited to grow and move EAS into a new era of innovation. The theme for EAS 2018 is *Analytical Solutions to the World's Problems* with a focus on *Going Green*. To address the issue of environmental awareness from a global perspective, our 2018 technical program has been strengthened with an increase in invited sessions by 10%. Our keynote speaker, Dr. John Warner, founder of the Warner Babcock Institute for Green Chemistry, has agreed to speak on green chemistry technologies. Our plenary lecture will be delivered by this year's winner of the EAS Award for Outstanding Achievements in the Fields of Analytical Chemistry, Professor Linda P. McGown, Rensselaer Polytech Institute. To entice you to come early and avoid traffic, EAS will offer a breakfast session on 2-D LC by Mark Schure, a renowned expert on this technique.

For EAS 2018, we are offering new and innovative short course ideas. Please see page 4 for the preliminary list of courses. Now that EAS is literally under one roof at the Crowne Plaza, the integration of attending a short course while satisfying a curiosity for a presentation in our excellent technical program can be readily achieved.

The exposition has also been fully integrated with our symposium under the same roof, and walking over to visit an exhibitor during a small break in a technical session or short course is a relaxed and comfortable option for every participant. The exhibitors will be present to display their latest state-of-the-art products and services for your interest and awareness. A stroll through the exhibit rooms is a great way to learn about the new technologies that can help you solve the world's problems.

My hope is that you see a difference as EAS itself goes green. This year we are introducing an electronic presentation of posters, an expanded exhibit area, and a reduction in our own environmental imprint as we search our own practices to make sure we are environmentally conscious. In addition to our highly successful technology tour, we will offer a green tour highlighting exhibitors who are working toward a smaller environmental mark with their businesses. Our plans include a special reward for "going green" through a raffle of door prizes available only to attendees who carpool to EAS with colleagues or co-workers.

So, stay tuned and watch for news of our continuing efforts to provide you with cutting-edge analytical science to solve some of the world's problems with environmentally friendly solutions. Put EAS 2018 on your schedule this November 12-14 to learn, train and communicate with scientists and professional colleagues in our efforts to present:

Analytical Solutions to the World's Problems.

Mary Ellen McNally
EAS 2018 President



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Message from the Program Chair



The 2018 Eastern Analytical Symposium celebrates the value of analytical science in the world at large. Themed *Analytical Solutions to the World's Problems*, the program combines talks over a wide variety of applications including water quality, food safety, forensic analysis, human health and disease, cultural heritage, mobile measurement, proteomics, pharmaceutical analysis, metabolomics, materials and the environment. The application oriented talks are matched by presentations dedicated to the advancement of the specific analytical techniques of measurement including HILIC, mass spectrometry, multi-dimensional chromatography, GC, solid state NMR, ion chromatography, LIBS, ICP-MS, SFC, solution state NMR, FTIR, Raman spectroscopy and microscopy. Focusing on the complete skill set practitioners require, EAS also has talks on regulatory affairs, compliance, CRO/CMOS and lab management.

In addition to the contributed and invited program, EAS recognizes the scientific achievements of a renowned group of analytical chemists, presenting six different awards honoring both developers and practitioners of key analytical methods. We are thrilled to present Linda McGown of Rensselaer Polytech Institute the Award for Outstanding Achievements in the Fields of Analytical Chemistry, Christopher Pohl of Thermo Fisher Scientific the Award for Outstanding Achievements in Separation Science, Yinsheng Wang of University of California Riverside the Award for Outstanding Achievements in Mass

Spectrometry, Clare Grey of Cambridge University the Award for Outstanding Achievements in Magnetic Resonance, Kerri Pratt of the University of Michigan the Young Investigator Award and Stephen Cramer of the University of California Davis the Award for Outstanding Achievements in Vibrational Spectroscopy.

Tying into the theme of *Analytical Solutions to the World's Problems*, EAS is both highlighting Green Chemistry and "going green". Our keynote presentation is by John Warner of the Warner Babcock Institute for Green Chemistry. This institute is dedicated to finding chemical solutions which are superior to conventional technology both economically and environmentally. Additionally, there will be a session on Green Analysis chaired by Joe Foley of Drexel University. We would like you to share your knowledge of green chemistry with the EAS community and we are giving an award to the poster that displays the best green approach to analysis. I urge you to submit an abstract for an electronic poster, oral presentation or very simply plan to attend. The EAS 57th symposium will have a large analytical impact with a reduced environmental burden. Please join us Nov. 12-14 for our fantastic exploration of the analytical sciences!

Christina Robb
2018 EAS Program Chair

2018 EAS Invited Technical Sessions

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

We invite you to plan to join us at the EAS 2018! 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 1** for **oral** abstracts and **March 1 - Sep. 1** for **poster** abstracts at www.EAS.org

AWARD SESSIONS

EAS AWARD FOR OUTSTANDING ACHIEVEMENTS IN THE FIELDS OF ANALYTICAL CHEMISTRY

Honoring Linda McGown
Rensselaer Polytechnic Institute

Chair: Isiah Warner, Louisiana State University

EAS AWARD FOR OUTSTANDING ACHIEVEMENTS IN VIBRATIONAL SPECTROSCOPY

Honoring Stephen Cramer, University of CA-Davis

Chair: Bruce Hudson, Syracuse University

EAS AWARD FOR OUTSTANDING ACHIEVEMENTS IN SEPARATION SCIENCE

Honoring Christopher Pohl, Thermo Fisher Scientific

Chair: Kannan Srinivasan, Thermo Fisher Scientific

EAS AWARD FOR OUTSTANDING ACHIEVEMENTS IN MASS SPECTROMETRY

Honoring Yinsheng Wang, University of CA-Riverside

Chair: Qibin Zhang, University of NC-Greensboro

AWARD SESSIONS

EAS AWARD FOR OUTSTANDING ACHIEVEMENTS IN MAGNETIC RESONANCE

Honoring Clare Grey, University of Cambridge

Chair: Sophia Hayes, Washington University

EAS YOUNG INVESTIGATOR AWARD

Honoring Kerri Pratt, University of Michigan

Chair: Kimberly Prather, University of CA-San Diego

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

Honoring: Igor Lednev, University of Albany

Chair: Debbie Peru

AMERICAN MICROCHEMICAL SOCIETY BENEDETTI PICHLER AWARD

Honoring: *To be announced*

Chair: Robert Vetrecin

NEW YORK MICROCHEMICAL SOCIETY ERNST ABBE AWARD

Honoring: *To be announced*

Chair: Brooke Kammrath, University of New Haven

2018 EAS Invited Technical Sessions cont.

NON-AWARD SESSIONS

NEW FOR 2018

- **Sunrise 2DLC Breakfast Speaker**
Mark Schure, Kroungold Analytical
- **Keynote Speaker**
John Warner, Warner Babcock Institute
- **Plenary Lecture**
Linda McGown, Rensselaer Polytechnic Institute

CHROMATOGRAPHY

- The Current and Future Role of HILIC in the Separation World
Chair: Fabrice Griitti, Waters
- Modern Applications of Supercritical Fluid Chromatography
Chair: Ray McClain, Merck & Co.
- Recent Advances in Gas Chromatography
Chair: Marcelo Filgueira, Dow Chemical Company
- Recent Advances and Applications of Multidimensional Chromatography
Chairs: Xiaohua Zhang, Merck & Co, Jason Shen, Celgene

CULTURAL HERITAGE

Organized by the New York Conservation Foundation

- Archaeological Heritage Science I
Chair: John Scott, New York Conservation Foundation
- Archaeological Heritage Science II
Chair: John Scott, New York Conservation Foundation
- Outdoor Heritage Science I
Chair: John Scott, New York Conservation Foundation
- Outdoor Heritage Science II
Chair: John Scott, New York Conservation Foundation

ENVIRONMENTAL ANALYSIS

- Averting Drinking Water Disasters with Analytical Chemistry
Chairs: James Stuart, University of Connecticut, Satinder Ahuja, Ahuja Consulting

FORENSIC ANALYSIS

- The Role of Forensic Analysis in Combating the Opioid Epidemic
Chair: Kimberly Gorel, NJ State Police - Forensic Science
- Analytical Challenges in the Face of Counterfeit Products
Chair: Gene Hall, Rutgers University
- Research from our Emerging Forensic Scientists
Chair: Peter Diazcuk, Penn State University
- Memorial Session Honoring Richard Saferstein
Chair: Thomas Brettell, Cedar Crest College

GREEN ANALYSIS

- Recent Advances in Green Analytical Chemistry
Chair: Joe Foley, Drexel University
- Analytical Solutions to the Worlds Problems
Chair: Christina Robb, The Connecticut Agricultural Experiment Station

LABORATORY ANALYSIS

- Lab Management
Chairs: Dennis Swijter, ALMA, Shirley Rodriguez, Shire

MASS SPECTROMETRY

- Advances in Mass Spectrometric Analysis
Chair: Long Yuan, Bristol-Myers Squibb

MICROSCOPY

- Forensic Microscopy: "What is it, and who does it"
Chair: Thomas Kubic, TAKA Instructional Agency

NMR SPECTROSCOPY

- Solid State NMR Studies of Disordered Systems
Chair: Dewey Barich, GlaxoSmithKline
- New Tools in Solution NMR Spectroscopy
Chair: Alexander Marchione, Chemours

PHARMACEUTICAL ANALYSIS

- Drug Development Based on New Regulatory Expectations and how it will change the Pharmaceutical Environment
Chair: Kim Huynh-Ba, Pharmalytik, Karen Lucas, Janssen
- Development and Optimization of Analytical Methods including Stability Indicating Method Development Aspects and Forced Degradation Experimental Approaches
Chair: David Shenck, Merck & Co.
- The Role of Chirality in the Pharmaceutical Industry
Chair: Nelu Grinberg
- Finished Product Automation: Enabling the Products of the Future Through Automation
Chair: Roy Helmy, Merck & Co.
- Enabling Real Time Release Testing with PAT
Chair: Brandye Smith-Goettler, Merck & Co.
- Pharmaceutical Drug Product Quality
Chair: Leonel Santos, US Pharmacopeia

SPECTROSCOPY

- Analytical Techniques for Elemental Analysis of Solids
Chair: Lydia Breckenridge, Bristol-Myers Squibb
- Advances in Spectroscopy for Food Safety and Quality
Chair: Suzanne Schreyer, Rigaku
- Spectroscopy Hits the Clinic
Chair: Brandye Smith-Goettler, Merck & Co.
- Enhancement Strategies in Raman Spectroscopy
Chair: Brandye Smith-Goettler, Merck & Co.
- Analytical Chemistry On the Go: Mobile Measurements
Chair: Brandye Smith-Goettler, Merck & Co.

2018 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 one-day and two-day courses.

Lydia Breckenridge, 2018 Short Course Chair

Course descriptions are listed on our website

#-Days	Course Names	Instructors
2-day	Practical LC-MS Method Development for Small Molecule Pharmaceuticals (NEW!)	Perry Wang, LC-MS Technical Expert
2-day	Modern HPLC/UPLC For Practicing Scientists Part 1 &/or 2: Fundamentals, Best Practices and Applications	Michael W. Dong, MWD Consulting
2-day	Quality by Design: A New Paradigm for the Analytical Lab Part 1 &/or 2	Zenaida Otero Gephardt, Rowan University
2-day	Practical Gas Chromatography	Eugene Barry, University of Massachusetts Thomas Brettell, Cedar Crest College
2-day	Troubleshooting Chromatographic Systems	Merlin K.L. Bicking, ACCTA, Inc. Douglas E. Raynie, SD State University
2-day	LC/MS: Theory, Instruments, and Applications	Guodong Chen, Bristol-Myers Squibb Ragu Ramanathan, Pfizer
2-day	How to Develop Validated HPLC Methods: Rational Design with Practical Statistics and Troubleshooting	Brian Bidlingmeyer, Analytical Acumen Inc. Stanley Deming, Statistical Designs
2-day	Chemometrics without Equations Part 1 &/or 2	Donald Dahlberg, Lebanon Valley College Neal Gallagher, Eigenvector
1-day	Process Analytical Technology: Out of the Lab and into the Line (NEW)	Jim Rydzak, Specere Consulting
1-day	HPLC and UPLC Troubleshooting (NEW)	Imad Haidar Ahmad, Merck & Co.
1-day	Develop Robust HPLC Methods for Pharmaceutical Analyses (NEW)	Jinjian Zheng, Merck & Co.
1-day	Practical NMR Spectroscopy (NEW)	Damodaran Achary, University of Pittsburgh
1-day	Analytical Sampling and Sample Preparation (NEW)	Douglas E. Raynie, SD State University
1-day	How Liquid Chromatography Works: Separation Principles Explained in Chromatograms (NEW)	Martin Gilar, Waters
1-day	Intact and Top-Down Protein Characterization and Quantitation by MS: Approaches for Pharmaceutical Drug Discovery, Development, and Bioanalysis (NEW)	John Kellie, GlaxoSmithKline Wenying Jian, Janssen R&D
1-day	Physical Characterization and Methods of Analysis of Pharmaceutical Solids: Essential Knowledge (NEW)	Stephen Byrn, University of Purdue Sean Chen, Antares Pharma
1-day	Optimizing HPLC Separations with Knowledge of Analyte Size, Column Pore Size, and Phase Chemistry (NEW)	Richard Henry, Consultant
1-day	Modern Portable Analytical Spectroscopy (NEW)	Richard Crocombe, Crocombe Spectroscopic Consulting Pauline Leary, Smiths Detection
1-day	SFC: A Powerful and Greener Tool for Analytical and Preparative Separations (NEW)	Yingr Zhang, Bristol-Myers Squibb Mike Hicks, Merck & Co.
1-day	Stability Studies: The Tools, Methods and Predictions during each Stage of Pharmaceutical Development (NEW)	Pete Bonk, Reaction Analytics Kenneth Waterman, Reaction Analytics
1-day	Setting Data Quality Objectives and Determining, Reporting, and Interpreting Data Quality Indicators to Meet Scholarly Publication Requirements (NEW)	Ephraim Govere, Penn State University
1-day	Introduction to GPC/SEC for Polymer Analysis (NEW)	Yeijia Li, Ashland Zheng Li, Ashland
1-day	Life Cycle Management of Analytical Validation for Pharmaceutical Products	Kim Huynh-Ba, Pharmalytik
1-day	Getting the most from GC and GC/MS	Gregory Slack Nicholas Snow, Seton Hall University
1-day	Interpretation of Mass Spectra with Practical Solutions to Problems	Mike Lee, Milestone Development
1-day	Lifecycle Approach to Analytical Methods for Drug Products, Incorporating Quality by Design Concepts	Gregory Martin, Complectors Consulting
1-day	Evaluation of Trace/Ultratrace Impurities in Pharmaceuticals	Satinder (Sut) Ahjua, Ahjua Consulting

EAS Awards Program

Frank Romano, 2018 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. Linda McGown
Rensselaer Polytechnic Institute
*EAS Award for Outstanding
Achievements
in the Fields of Analytical Chemistry*



Prof. Clare Grey
University of Cambridge
*EAS Award for Outstanding
Achievements in Magnetic Resonance*



Prof. Stephen Cramer
University of California-Davis
*EAS Award for Outstanding
Achievements in Vibrational
Spectroscopy*



Mr. Christopher Pohl
Thermo Fisher Scientific
*EAS Award for Outstanding
Achievements in Separation Science*



Prof. Yinsheng Wang
University of California-Riverside
*EAS Award for Outstanding
Achievements in Mass Spectroscopy*



Prof. Kerri Pratt
University of Michigan
EAS Young Investigator Award

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



Prof. Igor Lednev
University of Albany
*NY/NJ Section of the
Society for Applied Spectroscopy
Gold Medal Award*

To Be Announced

*American Microchemical Society
Benedetti-Pichler Award*

To Be Announced

*New York Microscopical Society
Ernst Abbe 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 2019 award nominations is September 1, 2018.

2018 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 registered attendees. Workshop descriptions and registration details will be posted on the EAS website in early June -stay tuned!

Employment Bureau

An Employment Bureau is available to provide ample opportunity for employees to meet prospective employers. The Employment Bureau is located on the **3rd Floor** of the Crowne Plaza Conference Center and is free to all registered attendees.

The Employment Bureau will operate from 9:00am until 4:00pm on Monday and Tuesday. On Wednesday, the hours will be 9:00am to 1:00pm. Job postings will be available for applicant review beginning at 11:00am on Monday morning. Interviews will not be scheduled until after 12:00noon on Monday. Job postings are continually updated during EAS and applicants are encouraged to visit the Job Posting bulletin boards on a regular basis.

Back by Popular Demand!

- ◆ All resumes can be submitted and sent via email once you have registered for the conference! Resumes must be submitted in a SEARCHABLE PDF file format. This is to make it easier and faster for employers to find prospective applicants.
- ◆ Employers will be given access to EAS's secure portal to search and review resumes on-line.

Lee Craven
Employment Committee Chair

2018 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 12 through Wednesday, November 14 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; the EAS registration fee, valid for all three days for college students is \$30 and it includes all the seminars. 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.

Gene Hall
Seminar Chair



2018 EASTERN ANALYTICAL SYMPOSIUM & EXPOSITION

ANALYTICAL SOLUTIONS

TO THE WORLD'S PROBLEMS

November 12-14, 2018

Crowne Plaza Princeton Conference Center
Plainsboro, NJ

CALL for PAPERS 2018

Bioanalysis
Capillary Electrophoresis
Chemometrics
Conservation Science
Environmental Analysis
Forensic Analysis
Gas Chromatography
Green Chemistry
Liquid Chromatography
Immunochemistry
IR/NIR/Raman Spectroscopy
Laboratory Automation
Laboratory Management
Mass Spectrometry
Microchemistry
Microscopy
NMR Spectroscopy
Pharmaceutical Analysis
Process Analytical Science
Quality by Design
Quality/Regulatory/Compliance
Sample Preparation
Science Education
Separation Sciences
SFC & Size Exclusion Chromatography
Surface Science
Vibrational Spectroscopy

EAS invites YOU
to be a part of the
Technical Program
this year.

Contribute a paper
for oral or poster
consideration via our
website:
www.eas.org/asubmit



eas.org

Abstract Submission Opens

Oral: Mar. 1 - May 1

Poster: Mar. 1 - Sep. 1

Explore Green Solutions to Analytical Problems at the 2018 EAS With These Exhibitors

Last updated February 19, 2018

ACS New York Section	Macherey-Nagel
Activated Research	Mac-Mod Analytical
Aczet, Inc.	Malvern Panalytical
Admix Pharma Laboratories, LLC	Martel Instruments LLC
Agilent Technologies	Metrohm USA
Airgas USA	Mettler Toledo
Alliance Calibrations Group	MicroSolv
American Chromatography Supplies	MilliporeSigma
American Laboratory	MIRTHE+ Photonics Sensing Center
American Pharmaceutical Review	New Era Enterprises
Anasys Instruments	New York Microscopical Society
Arizona Instrument	New York/New Jersey SAS
Bruker Corporation	NJ Mass Spec Discussion Group
B&W Tek	Omicron Scientific
Cayman Chemical	Oxford Instruments
CEM Corporation	Parker Hannifin
Cintas Co./DuPont Co.	Peak Scientific
Chromatography Forum of DE Valley	PerkinElmer Inc.
Clarke Analytical Instruments	Postnova
Coblentz Society	Power 4, LLC
Daylight Solutions	Princeton Chromatography, Inc.
Defiant Technologies	Reichert Technologies
Distek	Renishaw
Dissolution Technologies	Restek
DWK Life Sciences	Rigaku Americas Corp.
ECI Technology Inc.	Rudolph Research Analytical
Elemental Scientific	Savillex
Entech Instruments	Sciex
ES Industries	SCP Science
Evolution Scientific	Shimadzu Scientific Instruments
Galaxy Scientific	S-Matrix Corporation
GenTech Scientific	Sotax
GERSTEL, Inc.	Spectro Analytical Instruments
Gibraltar Laboratories	Spectrum Chemical Mfg. Company
Hi Scientific	Spex Sample Prep
Innovations United	TA Instruments
Inorganic Ventures	Thermo Fisher Scientific
JASCO	US Pharmacopeial Convention
JEOL	Viavi Solutions
Kinesis	VUV Analytics
Lab Manager/LabX	Waters Corporation
LCGC and Spectroscopy Magazines	Wyatt Technology
LEAP Technologies	YMC America
LGC Standards	ZirChrom Separations
Logan Instruments	

For information on exhibiting at the 2018 Eastern Analytical Symposium,
please contact Sheree R. Gold, Exposition Director, at 610-742-4981 or easinfo@aol.com

The 2017 Eastern Analytical Symposium – Facts and Statistics

Table I

2017 Registration at a Glance

Total	1613
Conferees (includes full conferees and expo only)	1287
Exhibitor Personnel	326

Table II

Employer Category of Those Attending the 2017 EAS

Category	Number
Total Responding	996
Industry	641
Academic (Student)	158
Academic (Faculty)	56
Other	48
No Response	43
Government	25
Self-Employed	19
Retired	6

Table III

Primary Job Responsibility of Those Attending the 2017 EAS

Total Responding	996
Chemist/Scientist	447
Student	165
Lab Manager	64
Other	62
Lab Director	49
Sales/Marketing	43
No response	41
Group Leader	35
Instructor/Professor	33
Administration	24
Purchasing	19
Technician	14

Table IV

Primary Techniques/Interest of Those Attending the 2017 EAS*

Total Responses	3288
Chromatography – Liquid/High Pressure Liquid	435
Chromatography – Gas	358
Chromatography – General	338
Spectrometry – Mass	306
Spectroscopy – General	231
Spectroscopy – Ultraviolet/Visible	161
Spectroscopy – Infrared/Mid-infrared/Raman	143
Lab Automation	142
Wet Chemistry	137
Microscopy	120
Sampling	112
Laboratory Information Management	97
Chromatography – Ion	78
Chromatography – Size Exclusion	78
No Response	69
Other	66
Spectroscopy – Magnetic Resonance	64
Spectroscopy – Fluorescence	63
Surface Analysis	63
Thermal Analysis	58
Spectroscopy – Atomic Absorption/Emission	46
Electrochemistry	41
Chromatography – Thin Layer	32
Capillary Zone Electrophoresis	27
Electrophoresis	23

*Respondents could select a maximum of five techniques/interests

Table V

Primary Applications of Those Attending the 2017 EAS

Total Responses	2297
Pharmaceutical Analysis	468
Lab Instrumentation	398
Biotechnology	186
Environmental Analysis	152
Forensic Analysis	141
Polymer Analysis	137
ISO/GMP	131
Process Analysis	123
Food Science	104
Education	87
Flavors/Fragrances	79
Other	75
Microscale/Nanoscale Analysis	72
No Response	69
Hazard Analysis	43
Heritage Conservation	32



The Governing Board of EAS would like to thank the following sponsors for their support in 2017

2017 & 2018 Souvenir Sponsor

Shimadzu Scientific Instruments

2017 Plenary Lecture Sponsor

Kuraray America

Sponsors of the 2017 EAS Awards Program

Agilent Technologies
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Eigenvector Research
Merck & Co.
New Era Enterprises
The Dow Chemical Company

Sponsors of the 2017 EAS
Technical Activities

American Microchemical Society
Bristol-Myers Squibb
Chromatography Forum of the
DE Valley
MicroSolv Technology Corporation
NJ Association of Forensic Scientists
New York Microscopical Society
TAKA Instructional Agency, Inc.
The Dow Chemical Company

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 2018 EAS as well as advertising opportunities in our Final Program. For information, please contact the EAS Executive Secretary at askeas@eas.org

2018 EAS

November 12-14, 2018

Plainsboro, NJ

OFFICERS

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Immediate Former President: Justin Pennington, Merck & Co.
President-Elect: Thomas Brettell, Cedar Crest College
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Student Awards: Barbara Kebbekus

EXPOSITION DIRECTOR

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EXECUTIVE SECRETARY

Bernadette Taylor at askeas@eas.org

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IMPORTANT DATES

March 1 Abstract submission opens for contributed oral and poster abstracts
May 1 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. 1 Abstract submission deadline for contributed **poster** abstracts
Oct. 15 Deadline to register for 2018 EAS at a reduced price
Nov. 1 Deadline to cancel registration and still receive a refund
Nov. 12-14 **57th Eastern Analytical Symposium & Exposition**

How to contact us....

General Information
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Eastern Analytical Symposium & Exposition, Inc. reserves the right, without notice, to modify the material or schedules, as well as to amend the roster of presenters or instructors