

From the Chair

Greetings! I hope that all of you had a great Christmas holiday and that you will also have a great and prosperous New Year. I know that many of you have started a list of New Year's resolutions. If one of them is "Get more involved in the division", please contact me or any other member of the executive committee. We are in need of more volunteers to help us meet our division's goals for this calendar year of 2009.

As last year's Chair, Dr. Laurie Locascio, has previously indicated in the Spring 2008 Newsletter, the division has undergone many changes in order to better serve you. I will not go into details regarding these changes since you can review them in her Chair's letter in the Spring 2008 Newsletter which is listed on the Analytical sciences website (www.analyticalsciences.org). In fact, many of the past newsletters and lots of other useful information for the division are archived on this website. I hope that you have learned to navigate this website since it is one of our primary mechanisms for providing updated information to you regarding the analytical division and the analytical sciences in general. If you have not visited this website, please take time to do so.

Dr. Dorothy J. Philips, 2009 Program Chair, will provide details elsewhere in this newsletter on the excellent program she has put together for this year. However, I would like to briefly remind you of our programming format for this year and the foreseeable future.

- **Spring ACS National Meeting:** Limited Division Programming
- **PITTCON:** Primary Division Programming for the Spring
- **Fall ACS National Meeting:** Primary Division Programming for the Fall (National and Division Award winners, who program in the division, will likely program at this meeting)

We note that the above format has worked well over the past couple of years. Therefore, while we know that you have the option of attending many meetings, we encourage your continued support and participation in all of our divisional activities.



Dr. Isiah M. Warner
Division Chair

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New Membership Letter

PittCon 2009 program

237th ACS program

238th ACS call for papers

2009 EAS call for papers

Please note that our executive committee will only meet at PITTCON and the Fall ACS National meeting. Our executive committee meeting for PITTCON is scheduled for 4:30 to 6:30 PM on Monday, March 09, 2009 in Room W191 at McCormick Place, and our reception will be scheduled at the same time on Tuesday, March 10, 2009 in McCormick Place Room W196C.

Finally, as your new Chair, I am open to suggestions as to how we can improve the Division of Analytical Chemistry's offerings to you as a member. Therefore, I will be available one half-hour before each executive committee meeting to have an open discussion and get your input regarding the analytical division. For this year's PITTCON, that would be 4 PM on March 9th in the same room as the executive committee meeting. I look forward to seeing you there during PITTCON and also at the division reception on the following day.

EXECUTIVE COMMITTEE

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Roland F. Hirsch, and Catherine Fenselau

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Henry N. Blount, Bonner Denton,
David Pinkston, and Sally Stafford

PAST CHAIR

Laurie E. Locascio

STANDING COMMITTEES

ACS Regional Meeting Liaison

Nadja Cech

Division Award Convassing

Susan Lunte

Eastern Analytical Symposium Delegates

Donald D. Bly & Sut Ahuja

Education

Patricia (Pam) Mabrouk

FACSS Delegates

Bonner Denton and Charles Wilkins

FECS ANYL Delegate

Malgorzata Ciszowska

Financial & Long Range Planning

Laurie E. Locascio

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Graduate Fellowship

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Membership

Al Ribes

Newsletter Editor

Xudong Yao

Pfizer Graduate Travel Award

Paul Edmiston

Publicity

Dimitri Pappas

Undergraduate Awards

Douglas J. Beussman

World Wide Web (www.analyticalsciences.org)

Steven Petrovic, chair

Roland F. Hirsch, editor

PUBLICATIONS

Editor of *Analytical Chemistry*

Royce W. Murray

SUBDIVISION OF CHROMATOGRAPHY AND SEPARATIONS SCIENCE

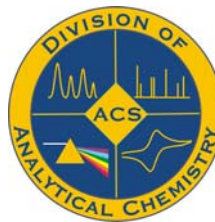
Chair

Susan Olesik

Secretary

Robert L. Stevenson

DIVISION OF ANALYTICAL CHEMISTRY AMERICAN CHEMICAL SOCIETY



PittCon 2009 McCormick Place, Chicago IL March 8-13, 2009



37th ACS National Meeting Salt Lake City, UT March 22-26, 2009



238th ACS, National Meeting Washington, DC August 16-20, 2009



Program Chair

Dorothy J. Phillips
dorothy_j_phillips@waters.com

Recipients of the Division of Analytical Chemistry Awards 2009

Award in Chemical Instrumentation Sponsored by the Dow Chemical Foundation:

Robert J. Cotter

Johns Hopkins University Medicine

J. Calvin Giddings Award for Excellence in Education:

Daniel C. Harris

US Navy Michelson Laboratory

**Award for Distinguished Service in the Advancement of Analytical Chemistry Sponsored
by the Waters Corporation:**

Edward Yeung

Iowa State University

ACS Division of Analytical Chemistry Award in Spectrochemical Analysis:

John W. Olesik

Ohio State University

ACS Division of Analytical Chemistry Award in Electrochemistry:

James F. Rusling

University of Connecticut and University of Connecticut Health Center

**ACS Division of Analytical Chemistry Arthur F. Findeis Award for Achievements by a
Young Analytical Scientist Sponsored by Philip Morris USA:**

John R. Engen

Northeastern University

2009 IM Kolthoff Travel Awardees

Mr. Christopher Backlund

Union College

Advisor: Dr. Mary K. Carroll, Professor

Mr. Bryan Benson

Johns Hopkins University

Advisor: Dr. David Gracias, Assistant Professor

Mr. Justin Quinn

Carson-Newman College

Advisor: Dr. Christine Dalton, Assistant Professor

Secretary's Corner

Anna Cavinato

The Division Executive Committee Meeting will be held on Monday, March 9 at 4:30 PM in Room W191 at McCormick Place.

The division reception, open to all members, and combined with the 25th Anniversary Celebration for the Subdivision of Chromatography and Separations Chemistry, will be held on Tuesday, March 10 at 4:30 PM in McCormick Place Room W196C.

Call for Newsletter Contributions

News or photos to share? Information to distribute?

Please send your contributions to the DAC Newsletter Editor Xudong Yao by email: x.yao@uconn.edu.

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Chemistry

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University of California - Riverside

University of Illinois at Urbana-
Champaign, Department of Chemistry

University of Utah



Dear New Member:

Welcome to the American Chemical Society's Division of Analytical Chemistry, a key resource for the analytical scientist! You have joined an exciting and vibrant group of chemists. Our vision is **“improving people's lives through the transforming power of analytical chemistry and promoting the community of analytical scientists.”**

We encourage you to take advantage of the many benefits of membership. Start by visiting our web site at www.analyticalsciences.org – an excellent resource for the analytical community. Our Division is building an online community of scientists from industry, academia, government, non-profit, and private sectors. You will find information about the Division, awards, graduate fellowships, publications, [resources](#) (external links) and professional opportunities.

Being an integral part of the [American Chemical Society](#) and a partner with the [Analytical Sciences Digital Library](#) (ASDL) and the journal [Analytical Chemistry](#) helps us to bring up-to-date information and useful resources to those practicing and learning about scientific measurement. The ASDL collects outstanding peer-reviewed web-based educational resources and publishes the online journal, JASDL. Another benefit of ASDL is complimentary access to review articles on analytical techniques, animations, lab experiments, tutorials, and a professional directory for the analytical community, plus updates on current events in analytical sciences. The Analytical Chemistry journal will keep you current on the latest research in the field and with a News and Features section also covering current events and its educationally useful Feature Articles.

As part of an initiative to develop a more comprehensive approach to scientific conferences, the Division is sponsoring programming at PittCon ([PittCon 2009](#)) and at the 2009 Spring and Fall meetings of the ACS. Stop by our booth and join us at PittCon as we celebrate the 25th anniversary of our Chromatography and Separations Chemistry, a subdivision of the ACS Division of Analytical Chemistry.

The Division proudly sponsors several [awards](#) for students, teachers and researchers. Undergraduate and graduate students are eligible to receive travel awards to participate at national meetings. Fellowships are also available for graduate students.

Finally, we want to tell you about another great benefit for Division members. In 2009, Division members will have **FREE** electronic access to the 2009 edition of the *Annual Review of Analytical Chemistry* journal via our website.

We hope that you will find the Division to be an excellent professional resource and a welcoming group of individuals. We encourage you to become involved and also welcome your input. Please feel free to contact [our business office](#) to approach any of the membership committee members, Al Ribes, Anna Cavinato, or Kimberly Agnew-Heard. We look forward to getting to know you better!

**Welcoming Letter to the Analytical
Division's New Members**



ACS Division of Analytical Chemistry PittCon 2009 in Chicago, IL March 8-13, 2009

Division of Analytical Chemistry is pleased to announce its program for PittCon 2009. The program includes six organized contributed sessions and a general poster session.
(Dorothy Phillips, Program Chair)
The Subdivision on Chromatography and Separation Chemistry organized five invited symposia and an award symposium to recognize its 25th Anniversary.
(Brian Bidlingmeyer, Subdivision Program Chair)

Organized Contributed Sessions

Monday, March 9th, 2009

Understanding Chromatography with Sub-2 μm Particles,
arranged by Michael E Swartz, Synomics Pharmaceutical Services, LLC

Poster Session

Tuesday, March 10th, 2009

Quality Assurance of Measurements and Proficiency Testing,
arranged by Curtis Wood, Environmental Resource Associates

Wednesday, March 11th, 2009

Multi-residue Pesticide Analysis for Food Testing,
arranged by Alexander J Krynitsky, US Food and Drug Administration

New Concepts and Instruments for Electrochemical Sensors, arranged by John Waraska ESA Biosciences

Thursday, March 12th, 2009

Validation of Bioanalytical Methods: Addressing Matrix Effects, Ion Suppression and ISR
(Incurred Samples Reanalysis), arranged by Erin Chambers, Waters Corporation

Analysis of Proteins, Peptides, Amino Acids and Nucleic Acids, arranged by Martha Knight, CC Biotech LLC

Invited Symposia

Sunday, March 8th, 2009

Evolution of Modern Chromatography:
Celebration of 25 Years of the Subdivision of Chromatography and Separation Chemistry,
Organizer: Satinder Ahuja, Ahuja Consulting

Monday, March 9th, 2009

The Future of HPLC-Method Development: Quality by Design –
Evaluating the Control Space of Robust HPLC Methods,
Organizer: Imre Molnar, Molnar-Institute for Applied Chromatography

Tuesday, March 10th, 2009

New Dimensions in Multidimensional Separations,
Organizer: Matthew S Klee, Agilent Technologies

Wednesday, March 11th, 2009

Biological Applications of Capillary Electrophoresis,
Organizer: Neil D Danielson, Miami University

The Analytical Chemistry Award for Young Investigators in Separation Science,
Organizer: Brian A Bidlingmeyer, Agilent Technologies

Thursday, March 12th, 2009

Pressurized Fluids in Analytical Separations Technology,
Organizers: Jerry Wayne King, University of Arkansas and J David Pinkston, The Procter & Gamble Company

ACS Division of Analytical Chemistry Program
Pittcon 2009 March 8-13, 2009
Chicago, IL

Organized Contributed Sessions

ACS Division of Analytical Chemistry Understanding Chromatography with Sub-2 μm Particles
Monday, March 9th, 2009; 8:30 AM Room: S404bc

Organizers: Michael E Swartz, Synomics Pharmaceutical Services, LLC

- 8:30 AM [Migrating Traditional LC Methods to Sub-Two \[\$\mu\text{m}\$ \] Particles](#), Michael Swartz
- 8:50 AM [Achieving Maximum Performance with Sub-2 \$\mu\text{m}\$ Particles](#), Kenneth Fountain
- 9:10 AM [A Quality-by-Design Methodology for Rapid LC Method Development](#), Richard Versept
- 9:30 AM [Investigations of Column Packing Technology using 1.0 \[\$\mu\text{m}\$ \] Bridged Ethyl Hybrid Particles in Ultra High Pressure Liquid Chromatography](#), Rachel Lieberman
- 9:50 AM **Recess**
- 10:05 AM [Potential Issues of Ultra-High-Pressure LC using sub-2- \$\mu\text{m}\$ Columns in Regulated Analysis](#), Michael Dong
- 10:25 AM [Ultra High Pressure LC Selectivity Options For High Speed Separations](#), Mark Jacyno
- 10:45 AM [Using Fused-Core Particle Technology to Achieve Near Sub-Two-Micron Performance Using Conventional HPLC Equipment](#), Thomas Waeghe
- 11:05 AM [The Role and Importance of Particle Dimensions and Stationary Phase Chemistry for Silica-Based UHPLC Columns](#), Frank Dorman

ACS Division of Analytical Chemistry Quality Assurance of Measurements and Proficiency Testing (Half Session)
Tuesday, March 10th, 2009; 8:30 AM Room: S405a

Organizers: Curtis Wood, Environmental Resource Associates

- 8:30 AM [Streamlining Analyst Qualification Through the Use of Proficiency Testing](#), Will Mchale
- 8:50 AM [A National Approach to Proficiency Testing for Environmental Laboratories](#), Kirstin McCracken
- 9:10 AM [A New Standard for Proficiency Testing](#), Daniel Tholen
- 9:30 AM [Measuring Toxic Chemicals at Ultra-Trace Concentrations: How Do We Know We're Right?](#), Ray Clement

ACS Division of Analytical Chemistry Multi-residue Pesticide Analysis for Food Testing
Wednesday, March 11th, 2009; 8:30 AM Room: S501bc

Organizers: Alexander J Krynitsky, U.S. Food and Drug Administration

- 8:30 AM [GC-TOFMS Analysis of Human Dietary Supplements for Pesticide Content](#), Megan McGuigan
- 8:50 AM [Automated Sample Preparation for Multi-Residue Pesticide Methods](#), Yolanda Fintschenko
- 9:10 AM [Comparison of Derivatization GC-MS\(MS\) with LC-MS\(MS\) for the Determination of Acidic Pesticides in QuEChERS](#)

Extracts of Fruits and Vegetables, Michael Young

9:30 AM New QuEChERS Developments for Sample Preparation and the Analysis of Chemical Residues in Foods by Mass Spectrometric Detection, Steven Lehotay

9:50 AM Recess

10:05 AM Evaluating the Dispersive Solid Phase Extraction Cleanup of QuEChERS Samples, Jack Cochran

10:25 AM Determination of Trace Level Triclosan in Water by Online Preconcentration and HPLC-UV Diode Array, Vasudevan Namboodiri

10:45 AM Analysis of Pesticides in Dried Hops by Liquid Chromatography–Tandem Mass Spectrometry, Matt Hengel

11:05 AM Multiresidue Pesticide Analysis of Botanical Dietary Supplements, Jon Wong

ACS Division of Analytical Chemistry New Concepts and Instruments for Electrochemical Sensors

Wednesday, March 11th, 2009; 8:30 AM Room: S501d

Organizers: John Waraska, ESA Biosciences

8:30 AM Electrochemical Oxidation of Kaempferol: Isolation and Structural Elucidation of the Oxidation Products, Ailing Zhou

8:50 AM An Ionic Nanocrystal as the Catalytic Unit for DNAzyme and Its Application in Biosensing, Wenwan Zhong

9:10 AM Monitoring Local Oxygen Levels in Cell Culture, Peter Thomas

9:30 AM Magnetic Mass Analysis and Electromagnetic Force Analysis, Hitoshi Watarai

9:50 AM Recess

10:05 AM Positioning of Scanning Electrochemical Microscopy Ultramicroelectrodes via ATR-IR, Liqun Wang

10:25 AM Optimization of a Multi-Phase Sensor for Electrochemical Detection of Phosphonates in Air, Chelsea Monty

10:45 AM Molecular Interactions at Liquid/solid Interface Studied by the Microcantilever Sensor, Bailin Zhang

11:05 AM Streaming Potential Sensing of Lysozyme in a Plastic Microfluidic Device, Fernando Luna Vera

ACS Division of Analytical Chemistry Validation of Bioanalytical Methods: Addressing Matrix Effects, Ion Suppression and ISR (Incurred Samples Reanalysis) (Half Session)

Thursday, March 12th, 2009; 8:30 AM Room: S404bc

Organizers: Erin E Chambers, Waters Corporation

8:30 AM Simultaneous Determination of A Hydrophobic Drug Candidate and Its Hydrophilic Metabolite in Mouse Plasma with Mass Spectrometry Friendly Salting-out Liquid/Liquid Extraction and Fast LC-MS/MS System, Jun Zhang

8:50 AM Robust and Rugged LC/MS/MS Methods: Troubleshooting Situations and Solutions, Patrick Bennett

9:10 AM Understanding the Importance of Incurred Sample Reanalysis: A Case Study using the Bioanalytical Method for Exemestane, Nicola Hughes

9:30 AM An Example of the Appearance of Interfering Peaks in a Validated Method during Analysis of Clinical Samples, William Edgemond

ACS Division of Analytical Chemistry Analysis of Proteins, Peptides, Amino Acids and Nucleic Acids by LC and LC/MS

Thursday, March 12th, 2009; 8:30 AM Room: S404d

Organizers: Martha Knight, CC Biotech LLC

- 8:30 AM Spiral Tubing Support (STS) Rotor for Countercurrent Chromatography, Martha Knight
- 8:50 AM Averagine-Scaling Analysis and Fragment Ion Mass Defect Labeling for Tandem Mass Spectrometry of Peptides, Xudong Yao
- 9:10 AM Analysis of Free Drug Fractions using Near Infrared Fluorescent Labels and an Ultrafast Reverse Displacement Immunoassay, John Schiel
- 9:30 AM Analytical Utility of Isoelectric Point Based Peptide Separations Followed by Capillary Electrophoresis - Mass Spectrometry Analysis, Stephanie Cologna
- 9:50 AM **Recess**
- 10:05 AM Comparative Analysis of Phospholipid Profiles of *Saccharomyces Cerevisiae* Mutants that forms a Complex with Met4 Transcription Factor by MALDI FTMS, Charles Wilkins
- 10:25 AM
Determining Amino Acids in Biological Samples by High Performance Liquid Chromatography, Jenny Zhao
- 10:45 AM A Comprehensive Approach to Developing Selective and Sensitive Bioanalytical Methods for Peptide Biopharmaceuticals in Human Plasma, Erin Chambers
- 11:05 AM *unassigned*

The Subdivision of Chromatography and Separation Chemistry Celebrates its 25th Anniversary at PittCon 2009

Over twenty-five years ago, a group of luminary separation scientists petitioned ACS to initiate the Subdivision of Chromatography and Separation Chemistry (SCSC) to nurture new developments and communicate them to a larger audience of scientists at national meetings. SCSC is celebrating its 25th Anniversary in 2009 at Pittcon with a reception and organized symposia.

You are invited to attend SCSC symposia, such as Evolution of Modern Chromatography: Celebration of 25 Years of SCSC (Sunday, Room S401A at 1:00 PM), the Dal Nogare Award Symposium (Monday, Room S401A at 8:30 AM), Annual Meeting (Monday, W190B, 12:00 noon to 2 PM) and reception (Tuesday, W196C from 4:30 to 6:30 PM). Looking forward to seeing you there.



Susan V. Olesik, SCSC Chair

Invited Symposia

Evolution of Modern Chromatography: Celebration of 25 Years of the Subdivision of Chromatography and Separation Chemistry

Sunday, March 8th, 2009; 1:00 PM Room: S401a

Organizers: Satinder (Sut) Ahuja, Ahuja Consulting

- 1:00 PM Introductory Remarks -
- 1:05 PM [Evolution of Modern Chromatography](#), Sut Ahuja
- 1:40 PM [The Early Years of Chromatography](#), Harold McNair
- 2:15 PM [The Evolution of Speed and Resolving Power in 1D and 2D Liquid Chromatography](#), Peter Carr
- 2:50 PM [SFC: From Laboratory Novelty to Industrial Mainstay](#), J David Pinkston
- 3:25 PM [Capillary Electrophoresis: Past, Present and Future](#), James Jorgenson

ACS Division of Analytical Chemistry The Future of HPLC-Method Development: Quality by Design - Evaluating the Control Space of Robust HPLC Methods

Monday, March 9th, 2009; 1:30 PM Room: S401bc

Organizers: Imre Molnar, Molnar-Institute for Applied Chromatography

- 1:30 PM Introductory Remarks -
- 1:35 PM [Quality by Design: Separation Robustness](#), Loren Wrisley
- 2:10 PM [Taking Advantage of Column Selectivity with Computer-Aided HPLC Method Development](#), John Dolan
- 2:45 PM [A Stepwise Strategy for Developing a Robust HPLC Separation for a Novel Diabetes Compound](#), Karthik Jayaraman
- 3:20 PM [Software's Role in Ongoing Chromatographic Method Design](#), Mike McBrien
- 3:55 PM [Robust Methods in HPLC - Evaluating the Limits of the Settings of Chromatographic Parameters](#), Imre Molnar

ACS Division of Analytical Chemistry New Dimensions in Multidimensional Separations

Tuesday, March 10th, 2009; 8:30 AM Room: S401bc

Organizers: Matthew S Klee, Agilent Technologies

- 8:30 AM Introductory Remarks -
- 8:35 AM [Multidimensionality in Sample Preparation, Separation and Detection for Environmental Analysis: Needs, Trends and Practice](#), Frank David
- 9:10 AM [Multidimensional GCxGC Separations Improve the Detection and Identification of Ignitable Liquid Residues in Fire Debris](#), Glenn Frysinger
- 9:45 AM [Multidimensional Separation of Intact Proteins for Differential Proteomic Analysis](#), Brenna McJury
- 10:20 AM [High Speed Two-Dimensional Liquid Chromatography: The Promise and the Challenge](#), Peter Carr
- 10:55 AM [Using GCxGC: TOFMS and Chemometrics to Explore Diesel Fuel Alteration](#), Robert Synovec

ACS Division of Analytical Chemistry Biological Applications of Capillary Electrophoresis

Wednesday, March 11th, 2009; 8:30 AM Room: S401d

Organizers: Neil D Danielson, Miami University

- 8:30 AM Introductory Remarks -
- 8:35 AM [Two Analytical Problems Well-Suited to CE: Quality Control of Heparin and Tannin-Protein Interactions](#), Neil Danielson
- 9:10 AM [Cell-to-Cell Differences in the Neurometabolome](#), Jonathan Sweedler
- 9:45 AM [Microchip Capillary Electrophoresis for Estimating Receptor Ligand Binding and Protein Separations](#), Frank Gomez
- 10:20 AM [Separations of Neurotransmitters and Metabolites in the Brains of Fruit Flies](#), Andrew Ewing
- 10:55 AM [Ultra High Throughput Electrophoresis and Applications](#), Robert Kennedy

The Analytical Chemistry Award for Young Investigators in Separation Science

Wednesday, March 11th, 2009; 8:30 AM Room: S401a

Organizers: Brian A Bidlingmeyer, Agilent Technologies

- 8:30 AM Introductory Remarks -
- 8:35 AM Presentation
- 8:40 AM [Optimal Sample Handling, Separation and Detection: Towards Total Separation Systems for Biotechnological and Environmental Samples](#), Nelson Torto
- 9:15 AM [New Directions in Solid-Phase Extraction for Sample Preparation](#), Ronald Majors
- 9:50 AM ["Green" High-Diffusion Solvents in Sustainable Chemistry](#), Charlotta Turner
- 10:25 AM **Recess**
- 10:40 AM [Temperature Effects in Liquid Phase Separations](#), Roger Smith
- 11:15 AM [Cellobiose Dehydrogenase: An Interesting Enzyme for Electrochemical and Biosensor/Biofuel Cell Studies](#), Lo Gorton

ACS Division of Analytical Chemistry Pressurized Fluids in Analytical Separations Technology

Thursday, March 12th, 2009; 1:30 PM Room: S401a

Organizers: Jerry Wayne King, University of Arkansas and J David Pinkston, The Procter & Gamble Company

- 1:30 PM Introductory Remarks -
- 1:35 PM [Recent Developments and Future Outlooks for the Use of Supercritical Fluid Chromatography \(SFC\) in Support of Pharmaceutical Discovery and Development](#), Christopher Welch
- 2:10 PM [Expanding the Notion of Supercritical Fluid Chromatography](#), Larry Taylor
- 2:45 PM [Advances in Separations and Detection in Analytical SFC, and Their Impact on Industry](#), J David Pinkston
- 3:20 PM [The Influence of Pressurized Fluids in Analytical Separations Technology](#), Jerry King
- 3:55 PM [SFC as a Method to Speed up Chiral Ligands and Catalysts Discoveries](#), André Charette



The 237th ACS National Meeting

Salt Lake City, UT
March 22-26, 2009

(Click hyperlinks for section details)

(Abstracts public availability on January 26, 2009; rooms and times subject to change)

Division of Analytical Chemistry

ANYL

D. J. Phillips, Program Chair

| Salt Palace Convention Center | Sun | Mon | Tue | Wed | Thu |
|--|-----|-----|-----|-----|-----|
| Current Practices in Understanding Atmospheric Chemistry | D | A | | | |
| General Posters | E | | | | |
| Nonlinear Optical Methods for Surface Analysis and Characterization | | D | D | | |
| Ultra High Stability Materials for Separations Science | | P | | | |
| Clinical Chemistry Adopting LC/MS/MS: Esoteric and Routine Assays | | | | A | |
| Addressing Analytical Challenges with Mass Spectrometry | | | | P | |
| Advances in Micro- to Nano-fluidic Separations and Systems** (NANO) | | | | | D |
| Co-sponsored Symposia: Selecting a co-sponsored symposia will take you outside of the current Committee, Secretariat or Division | | | | | |
| Frontiers in Imaging Biological Nanostructures* (BIOL) | A | | | | |
| Nano Meets Neuro: Novel Challenges for Nanoscience in Probing Brain Chemistry* (MEDI) | D | | | | |
| Frontiers in Imaging Biological Nanostructures* (BIOL) | P | | | | |
| Frontiers in Imaging Biological Nanostructures* (BIOL) | | P | | | |
| Undergraduate Research Poster Session: Analytical Chemistry* (CHED) | | P | | | |
| Frontier Applications of Nanotechnology in Engineering Extracellular Matrices* (COLL) | | | | D | D |

[See complete list of sessions](#)

Legend

A = AM; **P** = PM; **D** = AM/PM;

E = EVE; **DE** = AM/PM/EVE; **PE** = PM/EVE;

* Cosponsored symposium, primary organizer(s) shown in parentheses.

** Primary organizer, cosponsoring organizer(s) shown in parentheses.

‡ Indicates a cooperative cosponsorship.



238th ACS Washington, DC August 16-20, 2009

238th ACS Call for Papers

Deadlines for the 238th ACS National Meeting and Exposition
August 16-20, 2009, Washington DC

| | |
|--|------------------|
| OASYS opens for author abstract submission | January 19, 2009 |
| OASYS closes to authors | March 19, 2009 |
| OASYS closes to Symposium organizers | March 30, 2009 |
| Final Technical Program Published in C&EN* | July 27, 2009 |
| Washington DC meeting begins | August 16, 2009 |

OASYS link: <http://oasys.acs.org/acs/238nm/oasys.htm>

Preliminary date, subject to change according to C&EN deadlines

Program Chair: Dorothy J. Phillips dorothy_j_phillips@waters.com

ACS Offers Short Courses in Analytical Chemistry – Register Today!

Short Courses are an excellent way keep current in today's competitive marketplace. Attendees find the content of these courses contain a wealth of material that is immediately applicable to their work.

Did you know that the ACS Office of Continuing Education offers Short Courses in Analytical Chemistry?

[Introduction to Process Analytical Chemistry](#) – Dr. Edward Malawer, February 9-10, 2009, Woodbridge, NJ.

[Analysis and Interpretation of Mass Spectral Data](#) – Dr. Mike Lee, February 12-13, 2009, Woodbridge, NJ.

[Introduction to Modern Mass Spectrometry](#) – Dr. Athula Attygalle, February 23-24, 2009, San Francisco, CA.

[Fundamentals of High Performance Liquid Chromatography](#) – Dr. Lee Polite, March 25-26, 2009, Salt Lake City, UT

Early registration and group discounts are available. [Visit our website](#) for complete details.

2009th Eastern Analytical Symposium

November 16 - 19, 2009
Garden State Exhibit Center, Somerset, New Jersey

CALL FOR PAPERS Deadline – April 15, 2009

The Eastern Analytical Symposium and Exposition is the second largest conference and exposition for laboratory science in the U.S. dedicated to the needs of analytical chemists and those in the allied sciences. We offer high quality cutting-edge technical sessions and state-of-the-art short courses, workshops and seminars. We invite you to be a part of the program by contributing a paper for oral or poster consideration. Please note that all abstracts must be submitted electronically via the EAS web site at www.EAS.org. The abstract submission deadline is April 15.

To submit a contributed paper for the 2009 EAS Technical Program, please submit abstracts through our web site at www.EAS.org, between March 1 and April 15, and follow the instructions for abstract submission.

Invited speakers must not submit abstracts to EAS until requested.

Please carefully review the following information:

- All contributed abstracts must be submitted through our web site at www.EAS.org between March 1 and April 15, 2009. No faxed, e-mailed, or mailed abstracts will be accepted.
- Please note that no one author may submit and present more than two posters.**
- All abstracts will be acknowledged via e-mail.
- The title of the presentation and the list of authors that you submit are final, and may not be changed.
- The abstract that you submit will be considered to be your final abstract that will be printed in the abstract book for the 2009 Eastern Analytical Symposium.
- Presenting authors of contributed submissions will be notified in June 2009 of the status of the abstract and its session assignment.

TOPICS AREAS

Bioanalysis
Biomolecules/Biological Systems
Capillary Electrophoresis
Chemometrics
Chiral Analysis
Chromatography
Compendial Methods
Conservation Science
Data Analysis/LIMS
Dissolution

Industrial Hygiene
Ion Chromatography
IR Spectroscopy
Laboratory Automation
Laboratory Management
LC-MS
Mass Spectrometry
Microchemistry
Microscopy
Near Infrared (NIR)

Quality/Regulatory/Compliance
Raman Spectroscopy
Sample Preparation
Science Education
Sensors
Separation Sciences
Size Exclusion Chromatography
Solid State Analysis
Space Analytics

Environmental Analysis/Proteomics
Food Analysis
Cosmetics Analysis
Case Chromatography
GC-MS
Immunoassays

NMR Spectroscopy
Organic Chemistry
Supramolecular Analysis
Supramolecular Materials
Process Analytical Science
Quality by Design

Statistics
Supercritical Fluid Chromatography
Surface Science
Wavelength Dispersive X-Ray Fluorescence
Processors
Multivariate Spectroscopy

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