



250TH ACS NATIONAL MEETING

BOSTON, Aug. 16–20

“INNOVATION FROM DISCOVERY TO APPLICATION” will be the theme in Boston this August. A plenary session on that topic will be held on Sunday, Aug. 16, from 3 to 5 PM and will feature Paula Hammond from Massachusetts Institute of Technology, Peter Schultz from Scripps Research Institute California, and Karen Wooley from Texas A&M University. Many notable symposia are scheduled, including “Small Splash, Big Waves: Research at Primarily Undergraduate Institutions” and “Innovation in Materials for Emerging Uses.”

ACS President Diane Grob Schmidt will host 29 technical divisions and nine committees in original programming over 836 half-day oral sessions and 134 poster sessions, including Sci-Mix. More than 9,200 papers and nearly 3,000

posters will be presented at the meeting.

In concert with the meeting theme, Schmidt will sponsor several presidential events. On Sunday, Aug. 16, “National Science Foundation’s Centers for Chemical Innovation” highlights the research at that institution and features the heads of all eight Centers for Chemical Innovation. On Tuesday, Aug. 18, during “Transforming University-Industry Partnerships for an Innovative Future,” speakers from both academia and industry will highlight the role better university-corporate partnerships can play in driving more innovation. Details on these and other presidential events can be found at www.acs.org/boston2015.

Many education-focused programs for high school teachers, undergraduate and graduate students, postdocs, and chemical professionals will be offered. A range of professional development courses will be available; ACS Professional Education Short Courses have a separate registration and fee. For job seekers and employers, the

career fair will provide opportunities for on-site interviews, one-on-one career assistance, and career-related workshops.

The exposition will feature more than 250 companies showcasing services, instruments, books, and lab equipment in more than 400 booths.—
CRAIG BETTENHAUSEN

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MEETING INFO ON THE WEB
www.acs.org/boston2015

TECHNICAL PROGRAM SUMMARY

Presidential Events

PRES

Diane Grob Schmidt, Program Chair

Westin Boston Waterfront/Sheraton Boston Hotel / Boston Convention & Exhibition Center	S	M	Tu	W	Th
National Science Foundation's Centers for Chemical Innovation** <i>IDA</i>	D				
21st Century Chemistry Education: Formal & Informal**	P	A			
ACS Scholars: Rising Stars in Academe**		A			
ACS Scholars: Rising Stars in Industry**		P			
Transforming University-Industry Partnerships for an Innovative Future**			D		
Professional Legacy of Henry Hill* (PROF)	P				
The Chemistry Enterprise in 2015* (BMGT)		A			
Memories of Henry Hill: His Legacy in Science & in Professional Service* (HIST)		A			
Younger Chemists Exchanging More than Currency: First—Euros & Dollars; Next— Rupees, Rands & Reais* (YCC)		D			
Leadership Skills as a Strategic Advantage: The Chemist's Competitive Edge* (BMGT)		P			
The Legacy of Henry Hill: Commercial Enterprises in the Polymer Sector* (SCHB)		P			
Henry A. Hill Centennial Symposium: Innovation in Polymer Science* (POLY)			D		
International Entrepreneurship: How To Start a Business & Thrive in the Global Marketplace* (IAC)			D		

Multidisciplinary Program Planning Group

MPPG

Meeting Theme: Innovation from Discovery
to Application (*IDA*)

R. Wagner, Program Chair

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Innovation from Discovery to Application Plenary Session** <i>IDA</i>	P				
Innovation in Health & Medicine** <i>IDA</i>		A			

Multidisciplinary Program Planning Group (continued)

MPPG

Meeting Theme: Innovation from Discovery
to Application (*IDA*)

R. Wagner, Program Chair

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Public Perception of the Chemistry Enterprise <i>IDA</i>		P			
The Fred Kavli Innovations in Chemistry Lecture <i>IDA</i>		P			
The Kavli Foundation Emerging Leader in Chemistry Lecture <i>IDA</i>		P			
The Future of Innovation Now** <i>IDA</i>		E			
Fifty Years of Innovation: The Legacy of the Westheimer Report** <i>IDA</i>			A		
Innovation in Materials for Emerging Uses** <i>IDA</i>			P		
Innovation in Chemical Synthesis** <i>IDA</i>				A	

Academic Employment Initiative

A E I

C. Kuniyoshi, J. Sostaric, Program Chairs

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Academic Employment Initiative		E			

Division of Agricultural & Food Chemistry

AGFD

B. Park, Program Chair

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Bioactive Compounds from Fruits & Vegetables	D	A			
Phytonutrients: Thinking Beyond the "Essential" Nutrient Box	D				
Economically Motivated Food Adulteration: Interplay between Detection, Policy & Food Defense	D				
Modern Perspectives on Oxidation: Flavor Consequences in Foods & Beverages		P			
Food Toxicants Formed during Food Processing & Storage			D	A	

Division of Agricultural & Food Chemistry (continued)

AGFD

B. Park, Program Chair

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Complex Coacervation: Principles & Applications**		D	D		
Metabolites & Metabolomics of Food Bioactives & Influence of Gut Microbiota: Chemistry & Health Effects		D			
Chemistry, Composition & Analysis of Dietary Supplements		P			
Sci-Mix		E			
Young Scientist Award Symposium			P		
Browned Flavors: Analysis, Formation & Physiology			D	A	
Recovery of Bioactive Compounds from Processing By-Products			D		
General Posters			P		
AGFD Division Award: Honoring Dr. Andrew Taylor			P		
Environmental Effect on Plant Volatile Formation & Nonvolatile Composition				D	
Challenges in Applied Flavor Sciences				D	
General Papers				P	A
Chemistry & Bioactivities of Natural Polymethoxyflavones				P	A
Undergraduate Research Posters* (CHED)		P			
The Future of Innovation Now* (MPPG)		E			
Journal of Agricultural & Food Chemistry Best Paper Awards* (AGRO)			A		
USDA-ARS Sterling B. Hendricks Memorial Lectureship: James H. Tumlinson* (AGRO)			A		
Current Topics in Chemical Safety Information* (CHAS)			D		
International Entrepreneurship: How To Start a Business & Thrive in the Global Marketplace* (IAC)			D		
Nanoparticles in Food, Agricultural & Environmental Settings* (COLL)					D

Division of Agrochemicals

AGRO

P. Rice, Program Chair

Boston Park Plaza Hotel & Towers	S	M	Tu	W	Th
Innovations in Agrochemical Discovery & Process Chemistry: 2015 Kenneth A. Spencer Award in Honor of Thomas Selby; 2015 AGRO Award for Innovation in the Chemistry of Agriculture in Honor of Tom Sparks				D	A
Combining Scientific Evidence for Health Policy & Regulation**	A				
Pesticide Dose: Effects on the Environment & Target & Non-Target Organisms**	D				
Insecticide Action on Ion Channels: A Tribute to Professor Toshio Narahashi	D				
Feeding the World Requires Pesticides & Maximum Residue Levels	D				
Protection of Agricultural Productivity, Public Health & the Environment	P				
Latest Trends in Environmental Fate & Exposure Assessments: Filling in Knowledge & Data Gaps across the Commodity Groups**	P				
Current Topics in Seed Treatment**	P				
Urban Agriculture: Turf, Ornamentals, Household Products & Water Re-Use**	P				
Global Research Needs: Identifying & Prioritizing Efforts To Sustain Environmental Quality**		A			
Metabolites from Endophytic Microorganism To Combat Biotic Stress in Crop Plants**		A			
Environmental Fate, Transport & Modeling of Agricultural Chemicals**		D			
Advances in Pesticide Residue Analysis: Innovations that Lead to Novel Applications**		D			

*Cosponsored symposium with primary organizer shown in parentheses; located with primary organizer.

**Primary organizer of a cosponsored symposium.

IDA: Innovation from Discovery to Application

A = AM AE = AM/EVE P = PM D = AM/PM

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PROGRAM SUMMARY

Division of Agrochemicals (continued)

AGRO

P. Rice, Program Chair

Boston Park Plaza Hotel & Towers	S	M	Tu	W	Th
Innovation in Metabolism, Bioavailability & Formulations Research Leading to the Discovery of Agrochemicals: Symposium Honoring Dr. Keith D. Wing; AGRO International Award for Research in Agrochemicals**	D				
Biochemical Biopesticides: Discovery & Regulation of New & Potential Products**	D				
Endangered Species Risk Assessment for Pesticides: Advances in Methods & Process**	P	D			
Sci-Mix	E				
Journal of Agricultural & Food Chemistry Best Paper Awards**			A		
USDA-ARS Sterling B. Hendricks Memorial Lectureship: James H. Tumlinson**			A		
Immunochemistry Summit XII: Immunoassays & Other Bioanalytical Techniques**			D		
GMOs & the Entanglement of Intellectual Property Rights**			A		
Current Advances & Challenges of Arthropod Vector Control			D		
Antibiotics, Pharmaceuticals, Personal Care Products: Fate, Treatment, Analysis & Ecological Effects**			D		
Pollinators & Agrochemicals**			D		
Pesticides & Hydrophobic Compounds in Sediment**				A	
Environmental Fate, Management & Mitigation of Nitrogen in Agricultural Systems**				A	
Degradation of Halogenated Compounds in the Environment**				D	D
Development of More Efficient Pesticide Exposure Screening Informed by Fate, Usage & Monitoring Data**				D	

Division of Agrochemicals (continued)

AGRO

P. Rice, Program Chair

Boston Park Plaza Hotel & Towers	S	M	Tu	W	Th
Recent Advances in the Analysis of Environmental Contaminants in Foods & Feeds**				D	
Formulation Technologies for Improved Crop Protection**				D	
Structure Elucidation in Metabolism Studies: Plant, Animal & Soil**					P
Spray Application Technology**					D
Data to Decisions: Software Solutions for Modern Analytical Workflows**					P
Biomonitoring for Pesticide Exposures**					A
Hydrothermal Carbonization: Possibilities & Limits for Feedstocks, Processes & Applications* (ENVR)	D			E	
National Science Foundation's Centers for Chemical Innovation* (PRES)	D				
21st Century Chemistry Education: Formal & Informal* (PRES)	P	A			
Memories of Henry Hill: His Legacy in Science & in Professional Service* (HIST)		A			
ACS Scholars: Rising Stars in Academe* (PRES)		A			
Sensing of Environmentally Relevant Contaminants* (ENVR)		D		E	
ACS Scholars: Rising Stars in Industry* (PRES)		P			
The Future of Innovation Now* (MPPG)		E			
Reclamation, Remediation, Restoration: Novel Approaches to Environmental Challenges* (ENVR)			A	E	
Microorganism-Membrane Interactions: Towards Understanding Pathogen Removal & Membrane Biofouling* (ENVR)			A		
Transforming University-Industry Partnerships for an Innovative Future* (PRES)			D		
International Entrepreneurship: How To Start a Business & Thrive in the Global Marketplace* (IAC)			D		
Starting-Up & Spinning-Out: Commercializing Innovative Chemistry* (SCHB)			D		

Division of Agrochemicals (continued)

AGRO

P. Rice, Program Chair

Boston Park Plaza Hotel & Towers	S	M	Tu	W	Th
Emerging Electrochemical Water Remediation Technologies: A Symposium in Honor of Professor Enric Brillas & Professor Mehmet A. Oturan* (ENVR)			P	DE	A
Computational Toxicology: From QSAR Models to Adverse Outcome Pathways* (GINF)				D	
Detection & Fate of Health-Related Microorganisms in Water* (ENVR)				PE	
Using Passive Sampling Techniques To Detect Organic Contaminants* (ENVR)				PE	

Division of Analytical Chemistry

ANYL

D. Duckworth, Program Chair

Renaissance Boston Waterfront	S	M	Tu	W	Th
Analytical Chemistry Applications in Pharmaceutical Sciences	A				
Beyond Quant: Re-envisioning the Foundational Course in Analytical Chemistry	D				
Informatics 2.0 for the Analytical Sciences: Big Data, the Semantic Web & Metadata	P				
Forced Degradations in the Pharmaceutical Industry	P				
General Analytical	E				
Analytical Advances in Protein-DNA Thermodynamic Analysis		D			
Advances in Analytical Separations		D			
Addressing Challenges in Spectroscopy		D			
Sci-Mix		E			
2015 ACS Analytical Division Award Symposium			A		
Innovations in Analytical Chemistry & Their Application to National Security & Forensics* (CBRNE)			D	A	
Advanced Analytical Techniques for Early Cancer Screening			D		
Micro- & Nanoscale Innovations in Chromatography			P		
ACS Award in Analytical Chemistry: Honoring John R. Yates III			P		

Division of Analytical Chemistry (continued)

ANYL

D. Duckworth, Program Chair

Renaissance Boston Waterfront	S	M	Tu	W	Th
Nanotechnology for Analytical Sensing & Spectroscopy-Based Applications				D	D
Analytical Advances in Mass Spectrometry				D	
Open-Air Analytical Measurements for Forensics, Health & Homeland Security				P	
New Developments & Applications of Electrochemistry					A
Challenges in Bioanalytical Chemistry					D
Current Topics in Seed Treatment* (AGRO)	P				
Advances in Pesticide Residue Analysis: Innovations that Lead to Novel Applications* (AGRO)		D			
Undergraduate Research Posters* (CHED)		P			
Immunoassays & Other Bioanalytical Techniques: Immunochemistry Summit XII* (AGRO)			A		
Academic Innovations for Tomorrow's Industries: GSSPC Symposium* (CHED)			D		
Antibiotics, Pharmaceuticals, Personal Care Products: Fate, Treatment, Analysis & Ecological Effects* (AGRO)			D		
Immunochemistry Summit XII: Immunoassays & Other Bioanalytical Techniques* (AGRO)			P		
Recent Advances in the Analysis of Environmental Contaminants in Foods & Feeds* (AGRO)				D	
Structure Elucidation in Metabolism Studies: Plant, Animal & Soil* (AGRO)					A
Data to Decisions: Software Solutions for Modern Analytical Workflows* (AGRO)					P

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PROGRAM SUMMARY

Division of Biochemical Technology

BIOT

M. Lazzara, A. Kantardjieff, Program Chairs

Located with Primary Sponsor	S	M	Tu	W	Th
Innovation from Discovery to Application Plenary Session* (MPPG)	P				
Innovation in Health & Medicine* (MPPG)		A			
Undergraduate Research Posters* (CHED)	P				
The Future of Innovation Now* (MPPG)		E			
Academic Innovations for Tomorrow's Industries: GSSPC Symposium* (CHED)			D		

Division of Biological Chemistry

BIOL

C. Crews, V. Bandarian, Program Chairs

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Young Investigator Symposium	A		P		
Current Topics in Biological Chemistry	E		E		
Pfizer Award in Enzyme Chemistry	P				
Gordon Hammes Award Lecture		A			
Repligen Award for the Chemistry of Biological Processes		P			
Sci-Mix		E			
Chemical Biology Approaches to Probe Ubiquitin-like Signaling			A		
Innovative Platforms for Drug Discovery, Diagnostics & Target Validation			P		
Eli Lilly Award in Biological Chemistry				A	
Graduate Student & Postdoctoral Symposium				P	
Advances in Oligonucleotide Therapeutics* (CARB)	D				
Metabolites from Endophytic Microorganisms To Combat Biotic Stress in Crop Plants* (AGRO)		A			
Innovation in Health & Medicine* (MPPG)		A			
Biochemical Biopesticides: Discovery & Regulation of New & Potential Products* (AGRO)		D			
Undergraduate Research Posters* (CHED)		P			

Division of Business Development & Management

BMGT

K. Allen, J. Bryant, Program Chairs

Renaissance Boston Waterfront	S	M	Tu	W	Th
The Chemistry Enterprise in 2015**		A			
Leadership Skills as a Strategic Advantage: The Chemist's Competitive Edge**		P			
Careers for Young Professionals in Green Chemistry: Breaking Bad Chemistry Habits* (CHED)		A			
International Entrepreneurship: How To Start a Business & Thrive in the Global Marketplace* (IAC)			D		
Academic Innovations for Tomorrow's Industries: GSSPC Symposium* (CHED)			D		
Women in Innovation: Business & Commerce* (PROF)			P		

Division of Carbohydrate Chemistry

CARB

E. Rozners, Program Chair

Seaport Hotel	S	M	Tu	W	Th
Advances in Oligonucleotide Therapeutics**	D				
Fundamental & Applied Aspects of Glyconanotechnology	D				
New Strategies & Applications of Aminoglycosides**		D			
Sci-Mix		E			
Glycolipid Immunostimulants**			D		
General Posters			E		
Carbohydrate Synthesis for Medicinal Chemistry & Biology				D	A
National Science Foundation's Centers for Chemical Innovation* (PRES)	D				
True Stories from Entrepreneurs: BRIC Edition* (SCHB)	P	A			
21st Century Chemistry Education: Formal & Informal* (PRES)	P	A			
Memories of Henry Hill: His Legacy in Science & in Professional Service* (HIST)		A			
ACS Scholars: Rising Stars in Academe* (PRES)		A			

Division of Carbohydrate Chemistry (continued)

CARB

E. Rozners, Program Chair

Seaport Hotel	S	M	Tu	W	Th
ACS Scholars: Rising Stars in Industry* (PRES)		P			
Transforming University-Industry Partnerships for an Innovative Future* (PRES)			D		
International Entrepreneurship: How To Start a Business & Thrive in the Global Marketplace* (IAC)			D		

Division of Catalysis Science & Technology

CATL

K. Ramasamy, Program Chair

Renaissance Boston Waterfront	S	M	Tu	W	Th
Nano Catalysis	D	D	D		
Symposium Honoring Gary Haller	D	D			
Role of the Outer Coordination Sphere on the Activity of Enzymes & Molecular Catalysts	D	D			
Metal Organic Frameworks for Catalysis Applications	D	D			
Single Atom Catalysis	D				
2015 ACS Catalysis Lectureship**		D	A		
Catalysis Poster Session		E			
Sci-Mix		E			
In Situ Methods for the Study of Model Catalysts: From Flat Surfaces to Nanoparticles			A	D	P
SABIC Young Catalysis Investigator Award: Honoring Melanie Sanford			A		
Computational Catalysis			D	D	
Catalysis by Mixed Oxides			D	D	
CO ₂ Reduction & Utilization			P	D	A
Catalytic Upgrading of Biomass				D	P
Energy Storage Applications of Ammonia: Synthesis, Storage, Cracking & Utilization					A
General Catalysis					P
Biofuels for Powering the World: Discovery to Application* (ENFL)	D	A			

Division of Catalysis Science & Technology (continued)

CATL

K. Ramasamy, Program Chair

Renaissance Boston Waterfront	S	M	Tu	W	Th
Innovative Chemistry & Electrocatalysis for Low-Carbon Energy & Fuels: Discovery to Application* (ENFL)	D	D	A		
Advances in Ceria-Based Catalysis: Structural, Electronic & Chemical Properties Tailored for Chemical Conversion* (ENFL)	D	D	A		
Heterogeneous Catalysis for Environmental Applications* (ENVR)	P	D		E	
Operando Spectroscopic Approach to Quantifying Structure-Activity Relationships of Real Catalysts under Ambient Conditions* (COLL)		D	A		
International Symposium on Mesoporous Zeolites* (ENFL)				D	
Innovative Utilization Pathways for Natural Gas* (ENFL)				P	

Division of Cellulose & Renewable Materials

CELL

C. Frazier, Program Chair

Located with Primary Sponsor	S	M	Tu	W	Th
International Entrepreneurship: How To Start a Business & Thrive in the Global Marketplace* (IAC)			D		

Division of Chemical Education

CHED

I. Levy, I. Black, B. Rios-McKee, Program Chairs

Boston Convention & Exhibition Center	S	M	Tu	W	Th
High School Program**	A				
Toxicology & Environmental Impact in the Chemistry Curriculum: Science & Strategies for Educators—State of the Art Symposium**	D	A			

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PROGRAM SUMMARY

Division of Chemical Education (continued)

CHED

I. Levy, I. Black, B. Rios-McKee, Program Chairs

Boston Convention & Exhibition Center	S	M	Tu	W	Th
General Papers	D			D	A
Undergraduate Research Papers**	D				
Education for Sustainable Development & Innovative Technologies across Culture**	P				
General Posters	E				
Careers for Young Professionals in Green Chemistry: Breaking Bad Chemistry Habits** IDA		A			
Citizens First! Using Real-World Contexts for Engaging Students in Learning Chemistry**	D				
Active Learning in the Chemistry Classroom	P	D			
Undergraduate Research Posters**	P				
Promoting Engaged Student Learning through the ACS Guidelines	P				
Incorporating Green Chemistry Innovations & Applications into the Classroom & Outreach**	P				
From Raw to Varoom: The Science behind Getting a Car on the Road** IDA	E				
Successful Student Chapters**	E				
Sci-Mix	E				
From Discovery to Application: Implementing the Last 50 Years of Innovation into the Undergraduate Chemistry Classroom			A		
Chemistry Education Research			D	A	
Academic Innovations for Tomorrow's Industries: GSSPC Symposium** IDA			D		
Process-Oriented Guided Inquiry Learning (POGIL)				A	
Teaching Organic Chemistry for Biology Majors				P	
Polymer Concepts in Inorganic Chemistry Courses**				P	
21st Century Chemistry Education: Formal & Informal* (PRES)	P	A			
Wikipedia & Chemistry: Collaborations in Science & Education* (CINF)	P				

Division of Chemical Education (continued)

CHED

I. Levy, I. Black, B. Rios-McKee, Program Chairs

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Younger Chemists Exchanging More Than Currency: First—Euros & Dollars; Next—Rupees, Rands & Reais* (YCC)		D			
Current Topics in Chemical Safety Information* (CHAS)			D		

Division of Chemical Health & Safety

CHAS

D. Decker, J. Pickel, F. Wood-Black, Program Chairs

Seaport Hotel	S	M	Tu	W	Th
Lab Safety 25 Years after Promulgation of the OSHA Laboratory Standard**	P	A			
Chemical Health & Safety Awards**		P			
Current Topics in Chemical Safety Information** IDA			D		
Combining Scientific Evidence for Health Policy & Regulation* (AGRO)	A				
21st Century Chemistry Education: Formal & Informal* (PRES)	P	A			
Transforming University-Industry Partnerships for an Innovative Future* (PRES)			D		

Division of Chemical Information

CINF

E. Davis, Program Chair

Boston Convention & Exhibition Center	S	M	Tu	W	Th
The Growing Impact of Big Data in the World of Chemical Information	A				
Substance Identifiers, Addressing the Challenges Presented by Chemically Modified Biologics: The Role of InChI & Related Technologies	A				
Applications of Cheminformatics to the Diverse World of Natural Products	A				
Visualizing Chemistry Data To Guide Optimization	P				
Wikipedia & Chemistry: Collaborations in Science & Education**	P				
CINF Scholarships for Scientific Excellence: Student Poster Competition	E				

Division of Chemical Information (continued)

C I N F

E. Davis, Program Chair

Boston Convention & Exhibition Center	S	M	Tu	W	Th
CINFlash: Workflow Tools Lightning Round <i>IDA</i>		A			
Workflow Tools & Data Pipelining in Drug Discovery <i>IDA</i>		A			
Enabling Machines To “Read” the Chemical Literature: Techniques, Case Studies & Opportunities		D			
Retrosynthesis, Synthesis Planning, Reaction Prediction: When Will Computers Meet the Needs of the Synthetic Chemist?		D			
The Growing Impact of Openness in Chemistry: A Symposium in Honor of J. C. Bradley		P			
Sci-Mix		E			
Scientific Integrity: Can We Rely on the Published Scientific Literature?*			D		
Herman Skolnik Award Symposium** <i>IDA</i>			D		
Computational Toxicology: From QSAR Models to Adverse Outcome Pathways*				D	
Chemical Information Skills: The Essential Toolkit for Chemical Research				D	
Find the Needle in a Haystack: Mining Data from Large Chemical Spaces				D	
General Papers					D
Best in Class Computational Software by Integration* (COMP)	A				
Integrated Approaches in Structure-Based Drug Design* (COMP)	D				
21st Century Chemistry Education: Formal & Informal* (PRES)	P	A			
Current Topics in Chemical Safety Information* (CHAS)			D		

Division of Chemical Toxicology

T O X I

A. C. Bryant-Friedrich, Program Chair

Westin Boston Waterfront	S	M	Tu	W	Th
Chemical Research in Toxicology Young Investigator Award Symposium	A				
General Poster Session	E				
Founders Award Lecture & Symposium	P				

Division of Chemical Toxicology (continued)

T O X I

A. C. Bryant-Friedrich, Program Chair

Westin Boston Waterfront	S	M	Tu	W	Th
Young Investigator Symposium		A			
New Approaches to the Study of Chemical Toxicology in Human Health: Accelerator Mass Spectrometry		P			
Sci-Mix		E			
The Exposome			A		
The Role of Gut Microbiota in Carcinogenesis			P		
Division of Chemical Toxicology Keynote Address				E	
General Papers				A	
DNA Polymerases: From Mutagenesis to Biotechnology				P	
Combining Scientific Evidence for Health Policy & Regulation* (AGRO)	A				
Global Research Needs: Identifying & Prioritizing Efforts To Sustain Environmental Quality* (AGRO)		A			
Innovation in Health & Medicine* (MPPG)		A			

Division of Chemistry & the Law

C H A L

K. Bianco, J. Hasford, J. Kennedy, Program Chairs

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Strengthening Your Patent Rights in Light of Recent Federal Circuit Court Decisions	A				
Beyond the Bench: Careers in Intellectual Property	P				
Best Practices in Identifying, Protecting & Managing Your Intellectual Portfolio		A			
The Importance of Scientific Information in Patent-Related Endeavors		P			
Sci-Mix		E			

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PROGRAM SUMMARY

Division of Chemistry & the Law (continued)

CHAL

K. Bianco, J. Hasford, J. Kennedy, Program Chairs

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Developments in Pharmaceutical Patent Law			D		
Strategic Planning for Your IP Portfolio: Patents, Trade Secrets & Government Funding, What Should I Do?				D	
The Many Faces of CHAL: Where Chemistry Meets the Law					D
GMOs & the Entanglement of Intellectual Property Rights* (AGRO)			A		

Division of Colloid & Surface Chemistry

COLL

R. Nagarajan, Program Chair

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Complex Coacervation: Principles & Applications* (AGFD)		D	D		
Basic Research in Colloids, Surfactants & Nanomaterials	D	D	A	D	D
Colloid-Polymer Architectures & Mixtures	D	D	A		
Biochemical Ligands at Interfaces: From Molecular-Scale Characterization to Devices <i>IDA</i>	D	D			
Theory & Modeling of Nanoparticles' Interactions with Biomolecules & Polymers	D				
Nanotheranostics for Cancer Applications	E			D	
Fundamental Research in Colloids, Surfaces & Nanomaterials	E				
Surface Modification to Control Cell/Surface Interactions		D	A		
Operando Spectroscopic Approach to Quantifying Structure-Activity Relationships of Real Catalysts under Ambient Conditions**		D	A		
30 Years of Langmuir: Looking Back & Forward		D			
Sci-Mix		E			
Polymer & Biopolymer-Based Nanomaterials			A	D	D

Division of Colloid & Surface Chemistry (continued)

COLL

R. Nagarajan, Program Chair

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Experimental & Computational Approaches to Reactions at the Surface of Colloidal Nano Materials, Facilitated by Photo Excitation & Charge Transfer			A		
Langmuir Lectures; NanoLetters Award Lecture; ACS Materials & Interfaces Award Lecture			P		
Nanomaterials for Defense & Homeland Security Applications				D	D
Metrology of Characterization, Simulation & Theory of Biomembranes				D	
Nanoparticles in Food, Agricultural & Environmental Settings**					D
Protein-Nanomaterial Interfaces & Protein Coronas: Physical Properties, Biocompatibility & Biological Impact* (PHYS)	D	D	A	D	A
Structure & Dynamics in Complex Chemical Systems: Gaining New Insights through Recent Advances in Time-Resolved Spectroscopies* (PHYS)	D	D	A	D	A
National Science Foundation's Centers for Chemical Innovation* (PRES)	D				
True Stories from Entrepreneurs: BRIC Edition* (SCHB)	P	A			
21st Century Chemistry Education: Formal & Informal* (PRES)	P	A			
Memories of Henry Hill: His Legacy in Science & in Professional Service* (HIST)		A			
ACS Scholars: Rising Stars in Academe* (PRES)		A			
The Legacy of Henry Hill: Commercial Enterprises in the Polymer Sector* (SCHB)	P				
ACS Scholars: Rising Stars in Industry* (PRES)	P				
Transforming University-Industry Partnerships for an Innovative Future* (PRES)			D		
Starting Up & Spinning Out: Commercializing Innovative Chemistry* (SCHB)			D		
Big Chemistry from Small Businesses* (SCHB)				A	

Division of Computers in Chemistry

COMP

H. L. Woodcock, W. Cornell, Program Chairs

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Best in Class Computational Software by Integration**	A				
Calculating pKas & Redox Potentials	D	D	D		
Molecular Mechanics	D	D			
Accelerated Discovery of Chemical Compounds: Design New Polymers & Inorganic Materials from Integration of Polymer Science, Materials Science & Informatics	D	P			
Designing Chemical Libraries for Screening: Past, Present & Future	D				
Integrated Approaches in Structure-Based Drug Design** IDA	D				
Measuring "Success" of Molecular Modeling Efforts	P				
Functional Polymers: Connecting Modeling & Experiment		A	D	D	A
Emerging Technologies in Computational Chemistry		A			
Quantum Chemistry		D	D	D	A
Molecular Dynamics Simulations in Drug Discovery		D	D		
Drug Discovery		P	D	D	A
Sci-Mix		E			
The OpenEye Outstanding Junior Faculty Award			E		
The Chemical Computing Group Excellence Award for Graduate Students			E		
NVIDIA GPU Award			E		
Poster Session			E		
Materials Science				D	A
Computational Study of Water				D	A
From Diradicals & Polyradicals to Functionalized Materials: Theory Meets Experiment* (PHYS)	D	D	A	A	
Electronic Structure Methods for Large Systems* (PHYS)	D	D	D	D	A
Molecular Biophysics: Revealing the Interplay between Different Forces & Effects in Biochemical Processes* (PHYS)	P	D	A	D	A

Division of Computers in Chemistry (continued)

COMP

H. L. Woodcock, W. Cornell, Program Chairs

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Undergraduate Research Posters* (CHED)		P			
Herman Skolnik Award Symposium* (CINF)			D		
Computational Toxicology: From QSAR Models to Adverse Outcome Pathways* (CINF)				D	

Division of Energy & Fuels

ENFL

A. Park, X. Wang, Program Chairs

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Solar Energy & Solar Cells	D	A			
Biofuels for Powering the World: Discovery to Application**	D	A			
Carbon Management: Recent Advances in Carbon Capture, Conversion, Utilization & Storage**	D	A			
Innovative Chemistry & Electrocatalysis for Low-Carbon Energy & Fuels: Discovery to Application**	D	D	A		
Porous Materials for Energy & Sustainability from Discovery to Application	D	D	D		
Advances in Ceria-Based Catalysis: Structural, Electronic & Chemical Properties Tailored for Chemical Conversion**	D	D	D		
Innovative Electrochemical Energy Storage		P	D	D	P
Chemical Looping Innovation for Low-Carbon Energy		P	A		
Energy & Fuels Joint Award for Excellence in Publication: Honoring Phillip E. Savage		P			
Sci-Mix		E			
Energy & Fuels Storch Award in Fuel Science: Honoring Ripudaman Malhotra			D	A	

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PROGRAM SUMMARY

Division of Energy & Fuels (continued)

ENFL

A. Park, X. Wang, Program Chairs

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Advances in Chemistry of Energy & Fuels			P	D	A
International Symposium on Mesoporous Zeolites**				D	
Advances in Analytical Methods for Petroleum Upstream Applications				D	
Innovative Utilization Pathways for Natural Gas**				P	
Next Generation Nanomaterials: Advances & Perspectives for Biomedicine, Energy & Environmental Protection* (ENVR)			D		
National Science Foundation's Centers for Chemical Innovation* (PRES)	D				
21st Century Chemistry Education: Formal & Informal* (PRES)	P	A			
Memories of Henry Hill: His Legacy in Science & in Professional Service* (HIST)		A			
ACS Scholars: Rising Stars in Academe* (PRES)		A			
What's in Your Chemical Toolbox?* (SOCED)		P			
ACS Scholars: Rising Stars in Industry* (PRES)		P			
Biological Inspiration for Environmental Sustainability: Bioinspired Approaches for Energy Conversion, Storage & Materials* (ENVR)			D	DE	A
Transforming University-Industry Partnerships for an Innovative Future* (PRES)			D		
Academic Innovations for Tomorrow's Industries: GSSPC Symposium* (CHED)			D		
Advances in Chemistry for Carbon Capture, Utilization & Sequestration* (ENVR)				E	A

Division of Environmental Chemistry

ENVR

D. Dionysiou, Program Chair

Boston Park Plaza Hotel & Towers	S	M	Tu	W	Th
Assessing Transformation Products by Non-Target & Suspected Target Screening: The New Frontier in Environmental Chemistry & Engineering	A			E	

Division of Environmental Chemistry (continued)

ENVR

D. Dionysiou, Program Chair

Boston Park Plaza Hotel & Towers	S	M	Tu	W	Th
New Challenges in Water Quality, Treatment, Reuse & Sustainability: Chemistry & Application of Advanced Oxidation Processes for Removal of Contaminants of Concern & Transformation Products**	D	D	D	E	
Hydrothermal Carbonization: Possibilities & Limits for Feedstocks, Processes & Applications**	D			E	
Advances in Drinking Water Disinfection: By-products' Occurrence, Formation, Treatment, Health Effects, Epidemiology & Regulation	D			E	
Nano-enabled Environmental Technologies	D			E	
Designing Safer Chemicals**	D				
Heterogeneous Catalysis for Environmental Applications**	P	D		E	
Green Chemistry & the Environment**		D	A	E	
Sensing of Environmentally Relevant Contaminants**		D		E	
Advanced Materials & Technologies for Desalination & Wastewater Reuse		D		E	
ACS Award for Creative Advances in Environmental Science & Technology: Honoring Dr. Paul B. Shepson		D			
Sci-Mix		E			
Reclamation, Remediation, Restoration: Novel Approaches to Environmental Challenges**			A	E	
Microorganism-Membrane Interactions: Toward Understanding Pathogen Removal & Membrane Biofouling**			A		
Next Generation Nanomaterials: Advances & Perspectives for Biomedicine, Energy & Environmental Protection**			D		
Biological Inspiration for Environmental Sustainability: Bioinspired Approaches for Energy Conversion, Storage & Materials**			D	DE	A
Environmental Applications & Implications of Graphene-Based Nanomaterials			D	E	

Division of Environmental Chemistry (continued)

ENVR

D. Dionysiou, Program Chair

Boston Park Plaza Hotel & Towers	S	M	Tu	W	Th
Emerging Electrochemical Water Remediation Technologies: A Symposium in Honor of Professor Enric Brillas & Professor Mehmet A. Oturan**			P	DE	A
C. Ellen Gonter Awards Symposium			P		
The Debate: How Do We Respond to Climate Change?*			P		
Status & Trends of Biological & Persistent Organic Chemicals in the Great Lakes				A	
Anaerobic Sewage Treatment: Dissolved Methane & Nitrogen Control				AE	
Environmental Transformation of Nanoparticles: Processes, Mechanisms & Ecological Impacts				DE	A
Resource Recovery & Contaminant Elimination in Waste Streams of Increasing Concern				DE	A
Detection & Fate of Health-Related Microorganisms in Water**				PE	
Using Passive Sampling Techniques To Detect Organic Contaminants**				PE	
Advances in Chemistry for Carbon Capture, Utilization & Sequestration**				E	A
General Posters				E	
Biofuels for Powering the World: Discovery to Application* (ENFL)	D	A			
Carbon Management: Recent Advances in Carbon Capture, Conversion, Utilization & Storage* (ENFL)	D	A			
Chemical Processes Involving Atmospherically Relevant Trace Gases, Aerosols & Clouds* (PHYS)	D	D	D	D	A
Pesticide Dose: Effects on the Environment & Target & Non-Target Organisms* (AGRO)	D				
Latest Trends in Environmental Fate & Exposure Assessments: Filling in Knowledge & Data Gaps across the Commodity Groups* (AGRO)	P				
Current Topics in Seed Treatment* (AGRO)	P				
Urban Agriculture: Turf, Ornamentals, Household Products & Water Re-use* (AGRO)	P				

Division of Environmental Chemistry (continued)

ENVR

D. Dionysiou, Program Chair

Boston Park Plaza Hotel & Towers	S	M	Tu	W	Th
Careers for Young Professionals in Green Chemistry: Breaking Bad Chemistry Habits* (CHED)	A				
Global Research Needs: Identifying & Prioritizing Efforts To Sustain Environmental Quality* (AGRO)	A				
ACS Scholars: Rising Stars in Academe* (PRES)	A				
Environmental Fate, Transport & Modeling of Agricultural Chemicals* (AGRO)	D				
Advances in Pesticide Residue Analysis: Innovations that Lead to Novel Applications* (AGRO)	D				
Endangered Species Risk Assessment for Pesticides: Advances in Methods & Process* (AGRO)	P	D			
Undergraduate Research Posters* (CHED)	P				
What's in Your Chemical Toolbox?* (SOCED)	P				
ACS Scholars: Rising Stars in Industry* (PRES)	P				
Immunochemistry Summit XII: Immunoassays & Other Bioanalytical Techniques* (AGRO)		D			
GMOs & the Entanglement of Intellectual Property Rights* (AGRO)		A			
Transforming University-Industry Partnerships for an Innovative Future* (PRES)		D			
Antibiotics, Pharmaceuticals, Personal Care Products: Fate, Treatment, Analysis & Ecological Effects* (AGRO)		D			
Pollinators & Agrochemicals* (AGRO)		D			
Subsurface Geochemistry for Energy & the Environment* (GEOC)		P	D		

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PROGRAM SUMMARY

Division of Environmental Chemistry (continued)

ENVR

D. Dionysiou, Program Chair

Boston Park Plaza Hotel & Towers	S	M	Tu	W	Th
Pesticides & Hydrophobic Compounds in Sediment* (AGRO)				A	
Environmental Fate, Management & Mitigation of Nitrogen in Agricultural Systems* (AGRO)				A	
Degradation of Halogenated Compounds in the Environment* (AGRO)				D	D
Development of More Efficient Pesticide Exposure Screening Informed by Fate, Usage & Monitoring Data* (AGRO)				D	
Recent Advances in the Analysis of Environmental Contaminants in Foods & Feeds* (AGRO)				D	
Formulation Technologies for Improved Crop Protection* (AGRO)				D	
Computational Toxicology: From QSAR Models to Adverse Outcome Pathways* (CINF)				D	
Spray Application Technology* (AGRO)					D
Data to Decisions: Software Solutions for Modern Analytical Workflows* (AGRO)					P
Biomonitoring for Pesticide Exposures* (AGRO)					A

Division of Fluorine Chemistry

FLUO

V. Petrov, Program Chair

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Radiochemistry**		D	A		

Division of Geochemistry

GEOC

Y. Jun, Program Chair

Seaport Hotel	S	M	Tu	W	Th
Structure & Reactivity of Mineral-Fluid Interfaces		D	A		
Sci-Mix		E			
Subsurface Geochemistry for Energy & the Environment**			P	D	
General Geochemistry Session					A

Division of Geochemistry (continued)

GEOC

Y. Jun, Program Chair

Seaport Hotel	S	M	Tu	W	Th
Biogeochemical Cycling of Nutrients & Contaminants in Physically Complex Environments					A
Undergraduate Research Posters* (CHED)		P			
Transformation & Transport of Radionuclides in the Environment* (NUCL)			P		

Division of the History of Chemistry

HIST

S. Rasmussen, Program Chair

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Edwin Land & Instant Photography: Massachusetts's First National Historic Chemical Landmark	P				
Memories of Henry Hill: His Legacy in Science & in Professional Service**		A			
HIST Tutorial & General Papers**		P			
Sci-Mix		E			
HIST Award Symposium Honoring Christoph Meinel			P		
Professional Legacy of Henry Hill* (PROF)	P				
The Legacy of Henry Hill: Commercial Enterprises in the Polymer Sector* (SCHB)		P			
Fifty Years of Innovation: The Legacy of the Westheimer Report* (MPPG)			A		
Henry A. Hill Centennial Symposium: Innovation in Polymer Science* (POLY)			D		

Division of Industrial & Engineering Chemistry

I & EC

P. Smith, Program Chair

Renaissance Boston Waterfront	S	M	Tu	W	Th
Symposium in Honor of the 2013 & 2014 ACS Fellows in the Division of Industrial & Engineering Chemistry	A				
Industrial & Engineering Fellow: Honoring Kenneth L. Nash	D	A			
Industrial & Engineering Fellow: Honoring Henry C. (Hank) Foley	P				

Division of Industrial & Engineering Chemistry (continued)

I & E C

P. Smith, Program Chair

Renaissance Boston Waterfront	S	M	Tu	W	Th
Industrial & Engineering Fellow: Honoring Gary M. Seabolt	P				
Sci-Mix		E			
Industrial & Engineering Chemistry Division Graduate Student Award Symposium			A		
Green Chemistry Makes a Difference: Pharmaceutical Industry/Academic Collaborations**			P		
General Posters			E		
General Papers				D	A
True Stories from Entrepreneurs: BRIC Edition* (SCHB)	P	A			
Careers for Young Professionals in Green Chemistry: Breaking Bad Chemistry Habits* (CHED)		A			
Undergraduate Research Posters* (CHED)	P				
Incorporating Green Chemistry Innovations & Applications into the Classroom & Outreach* (CHED)		P			
The Legacy of Henry Hill: Commercial Enterprises in the Polymer Sector* (SCHB)		P			
Starting Up & Spinning Out: Commercializing Innovative Chemistry* (SCHB)			D		
Big Chemistry from Small Businesses* (SCHB)				A	
International Symposium on Mesoporous Zeolites* (ENFL)				D	

Division of Inorganic Chemistry

I N O R

S. Koch, N. Radu, Program Chairs

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Solid-State Inorganic Chemistry	A		E	A	
Main Group Chemistry	AE			A	
Chemistry of Materials	D	D	DE	D	
Bioinorganic Chemistry	AE	P	P	PE	
Organometallic Chemistry	DE		DE	DE	
Coordination Chemistry	D		PE	D	

Division of Inorganic Chemistry (continued)

I N O R

S. Koch, N. Radu, Program Chairs

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Metalloenzyme Mechanisms	P	A			
Inorganic Catalysts	P			PE	
Inorganic Young Investigator Awards	P				
Synthetic Chemistry Approaches to Magnetic Materials	PE	D	A		
Lanthanide & Actinide Chemistry	E	A		A	
Building Innovative Solid-State Materials through Solution Chemistry	E	P			
Nanoscience	E			D	
Environmental & Energy-Related Inorganic Chemistry	AE		A		
Inorganic Chemistry Lectureship		A			
Industrial Inorganic Chemistry: Innovation from Discovery to Applications		A			
Molecular Water Oxidation Catalysis		D	A		
High-Energy Organometallic Complexes: Reactivity Driving New Synthesis & Catalysis		P	D		
Metalloprotein Inhibitors: Drugs, Drug Candidates & New Targets at the Interface of Medicinal & Inorganic Chemistry		P			
Sci-Mix		E			
Inorganic Nanoscience Award			A		
Electrochemistry			AE		
Inorganic Spectroscopy			AE		
Transition-Metal-Catalyzed Olefin Polymerization: Toward Structure Control* (PMSE)	D	D	A		
2015 ACS Catalysis Lectureship* (CATL)		D	A		
Undergraduate Research Posters* (CHED)		P			
International Entrepreneurship: How To Start a Business & Thrive in the Global Marketplace* (IAC)			D		

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**Division of Inorganic Chemistry
(continued)**

INOR

S. Koch, N. Radu, Program Chairs

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Innovation in Chemical Synthesis* (MPPG)				A	
International Symposium on Mesoporous Zeolites* (ENFL)				D	
Polymer Concepts in Inorganic Chemistry Courses* (CHED)				P	

Division of Medicinal Chemistry

MEDI

W. Young, S. Plumlee, Program Chairs

Boston Convention & Exhibition Center	S	M	Tu	W	Th
NeuroInflammation	A				
Evolution of Natural Product Research in Drug Discovery	A				
General Orals	D		P	D	
Protein-Protein Interactions	P				
General Posters	E			E	
Ophthalmic Drug Discovery		A			
Emerging Antibody Drug Conjugates: Applications of Medicinal Chemistry		A			
Advances in Predictive Toxicology		D			
Strategies in the Design & Characterization of Allosteric Inhibitors		P			
Cancer Immunotherapy: The Next Big Thing for Small Molecules		P			
Sci-Mix		E			
Medicinal Chemistry Toolbox: Understanding the Roles of Inducible Pockets, Water & Small Structural Changes			A		
MEDI Award Symposia			A		
Deuterated Drugs			P		
Case Studies of Successful Drugs			P		
Targeted Covalent Inhibitors				A	
Recent Advances in Heart Failure				A	
First-Time Disclosures				P	
Integrated Approaches in Structure-Based Drug Design* (COMP)	D				
Advances in Oligonucleotide Therapeutics* (CARB)	D				
Innovation from Discovery to Application Plenary Session* (MPPG)	P				

**Division of Medicinal Chemistry
(continued)**

MEDI

W. Young, S. Plumlee, Program Chairs

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Careers for Young Professionals in Green Chemistry: Breaking Bad Chemistry Habits* (CHED)		A			
Innovation in Health & Medicine* (MPPG)		A			
Radiochemistry* (FLUO)		D	A		
New Strategies & Applications of Aminoglycosides* (CARB)		D			
Undergraduate Research Posters* (CHED)		P			
The Future of Innovation Now* (MPPG)		E			
Transforming University-Industry Partnerships for an Innovative Future* (PRES)			D		
International Entrepreneurship: How To Start a Business & Thrive in the Global Marketplace* (IAC)			D		
Glycolipid Immunostimulants* (CARB)			D		
Herman Skolnik Award Symposium* (CINF)			D		
Innovation in Chemical Synthesis* (MPPG)				A	
Computational Toxicology: From QSAR Models to Adverse Outcome Pathways* (CINF)				D	

Division of Nuclear Chemistry & Technology

NUCL

J. Terry, D. Hobart, Program Chairs

Seaport Hotel	S	M	Tu	W	Th
Analytical Chemistry in Nuclear Technology	P	D			
Transformation & Transport of Radionuclides in the Environment**			P		
General Topics in Nuclear & Radiochemistry				D	

Division of Organic Chemistry

ORGN

M. McIntosh, R. Broene, Program Chairs

Boston Convention & Exhibition Center	S	M	Tu	W	Th
New Reactions & Methodology	D	D	D	D	
Molecular Recognition & Self-Assembly	D	D			

Division of Organic Chemistry (continued)

ORGN

M. McIntosh, R. Broene, Program Chairs

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Asymmetric Reactions & Syntheses	D	D			
Nanomaterials	D				
Peptides, Proteins & Amino Acids	D				
Small Splash, Big Waves: Research at Primarily Undergraduate Institutions	P				
JOC/OL Lectureship Symposium	P				
Asymmetric Reactions & Syntheses; Chemistry of Fullerenes, Carbon Nanotubes & Graphene; Materials, Devices & Switches; Nanomaterials; Physical Organic	E				
Magnetically Recyclable Nanocatalysts		A			
Process Chemistry: New Developments in Pharmaceutical Process Development		A			
Teva Pharmaceuticals Scholars Grant Symposium		A			
Young Investigator Symposium		D			
Physical Organic Chemistry: Calculations, Mechanisms, Photochemistry & High-Energy Species	P	D			
Green Chemistry Makes a Difference: Pharmaceutical Industry/Academic Collaborations		P			
Tetrahedron Prize for Creativity in Organic Chemistry Symposium		P			
Sci-Mix		E			
Metal-Mediated Reactions & Syntheses			D	D	
Materials, Devices & Switches			D	P	
Total Synthesis of Complex Molecules			D		
Young Academic Investigator Symposium			D		
Cope Award Symposium			D		
Biologically Related Molecules & Processes; Innovation from Discovery to Application; Metal-Mediated Reactions & Syntheses; Molecular Recognition & Self-Assembly; Peptides, Proteins & Amino Acids			E		
Frontiers of Functional Interfaces				A	
On the Importance of Synthetic Organic Chemistry in Drug Discovery				A	
Heterocycles & Aromatics				D	A

Division of Organic Chemistry (continued)

ORGN

M. McIntosh, R. Broene, Program Chairs

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Biologically Related Molecules & Processes				D	A
Technical Achievements in Organic Chemistry Symposium				D	
Heterocycles & Aromatics; New Reactions & Methodology				E	
Flow Chemistry & Continuous Processes					A
Chemistry of Fullerenes, Carbon Nanotubes & Graphene					A
Advances in Oligonucleotide Therapeutics* (CARB)	D				
Professional Legacy of Henry Hill* (PROF)	P				
Innovation in Metabolism, Bioavailability & Formulations Research Leading to the Discovery of Agrochemicals: Symposium Honoring Dr. Keith D. Wing, AGRO International Award for Research in Agrochemicals* (AGRO)		D			
Biological Inspiration for Environmental Sustainability: Bioinspired Approaches for Energy Conversion, Storage & Materials* (ENVR)			D	DE	A
International Entrepreneurship: How To Start a Business & Thrive in the Global Marketplace* (IAC)			D		
Glycolipid Immunostimulants* (CARB)			D		
Green Chemistry Makes a Difference: Pharmaceutical Industry/Academic Collaborations* (I&EC)			P		
Innovation in Chemical Synthesis* (MPPG)				A	
Formulation Technologies for Improved Crop Protection* (AGRO)				D	
Using Passive Sampling Techniques To Detect Organic Contaminants* (ENVR)				PE	

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PROGRAM SUMMARY

Division of Physical Chemistry

PHYS

E. Sibert, Program Chair

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Bringing Astrochemicals Back to Earth: Formation Mechanisms, Stability & Spectroscopic Signatures <i>IDA</i>	D	A	A	D	A
From Diradicals & Polyradicals to Functionalized Materials: Theory Meets Experiment**	D	D	A	A	
Protein-Nanomaterial Interfaces & Protein Coronas: Physical Properties, Biocompatibility & Biological Impact**	D	D	A	D	A
Structure & Dynamics in Complex Chemical Systems: Gaining New Insights through Recent Advances in Time-Resolved Spectroscopies** <i>IDA</i>	D	D	A	D	A
Chemical Processes Involving Atmospherically Relevant Trace Gases, Aerosols & Clouds** <i>IDA</i>	D	D	D	D	A
Electronic Structure Methods for Large Systems**	D	D	D	D	A
Materials for Heat to Energy Conversion <i>IDA</i>	D	D			
Physical Chemistry of Clusters & Nanoparticles <i>IDA</i>	D	P	A	D	A
Molecular Biophysics: Revealing the Interplay between Different Forces & Effects in Biochemical Processes**	P	D	A	D	A
Hydrophobicity, Ion Solvation & Interfaces: Theory, Simulations & Experiments	D	A	D	A	
Sci-Mix		E			
Award Symposium			P		
Poster Session				E	
Biological Inspiration for Environmental Sustainability: Bioinspired Approaches for Energy Conversion, Storage & Materials* (ENVR)			D	DE	A
Academic Innovations for Tomorrow's Industries: GSSPC Symposium* (CHED)			D		
Innovation in Materials for Emerging Uses* (MPPG)			P		

Division of Polymer Chemistry

POLY

T. White, D. Boday, M. Jeffries-El, K. Mitchem, Program Chairs

Westin Boston Waterfront	S	M	Tu	W	Th
Protein-Like Structure & Activity in Synthetic Systems	D	A	AE		
Surface Modification of Polymeric Materials	D	A	E		
Silicones	D	D	DE		
General Topics: New Synthesis & Characterization of Polymers	D	D	E	D	D
Herman Mark Scholars Award Symposium in Honor of Stuart Rowan	D				
Ring Opening Polymerization		A	E		D
Biomacromolecules/Macromolecules Young Investigator Award		P			
Herman Mark Award Symposium in Honor of Timothy Lodge		P			
Industrial Innovations in Polymer Chemistry		P			
Sci-Mix		E			
Value of Basic Research in Solving Industrial Polymer Problems			A		
Henkel Award for Outstanding Graduate Research in Polymer Chemistry			A		
Henry A. Hill Centennial Symposium: Innovation in Polymer Science**			D		
Value of Basic Research to Industrial Polymer Science—A Senior Chemist's Perspective			A		
Multicomponent & Sequential Reactions in Polymer Science: Efficient Synthesis of Structurally Diverse Polymers			PE	D	A
Ionic Liquids in Polymer Design: From Energy to Health			PE	D	D
Charles Overberger Award Symposium in Honor of Krzysztof Matyjaszewski				D	
Herman Mark Young Scholars Award Symposium in Honor of Bradley Olsen				D	
Innovation from Discovery to Application Plenary Session* (MPPG)	P				
Professional Legacy of Henry Hill* (PROF)	P				
Memories of Henry Hill: His Legacy in Science & in Professional Service* (HIST)		A			
Undergraduate Research Posters* (CHED)		P			

Division of Polymer Chemistry (continued)

POLY

T. White, D. Boday, M. Jeffries-El, K. Mitchem, Program Chairs

Westin Boston Waterfront	S	M	Tu	W	Th
The Legacy of Henry Hill: Commercial Enterprises in the Polymer Sector* (SCHB)		P			
From Raw to Varoom: The Science behind Getting a Car on the Road* (CHED)		E			
International Entrepreneurship: How To Start a Business & Thrive in the Global Marketplace* (IAC)			D		
Academic Innovations for Tomorrow's Industries: GSSPC Symposium* (CHED)			D		
Innovation in Materials for Emerging Uses* (MPPG)			P		
Joint PMSE/POLY Poster Session* (PMSE)			E		
Polymer Concepts in Inorganic Chemistry Courses* (CHED)				P	
Joint PMSE/POLY Awards Reception & Plenary Lecture* (PMSE)				E	

Division of Polymeric Materials: Science & Engineering

PMSE

C. Soles, C. Stafford, A. Tsou, Program Chairs

Westin Boston Waterfront	S	M	Tu	W	Th
Eastman Chemical Student Award in Applied Polymer Science	A				
Transition-Metal-Catalyzed Olefin Polymerization: Toward Structure Control**	D	D	A		
Advanced Materials for High Performance Formulations <i>IDA</i>	D	D			
Phase Separation & Morphology Development in Polymers	D	D			
Patterning Materials for Bio-Interface	D				
Journal of Polymer Science Award Symposium	P				
Materials for Printed Electronics		D	D	A	
New Advances in Nanostructured Polymeric Membranes for Filtration		D	D		
Sci-Mix		E			
Celebrating 50 Years of Polymer Science & Engineering			D	D	

Division of Polymeric Materials: Science & Engineering (continued)

PMSE

C. Soles, C. Stafford, A. Tsou, Program Chairs

Westin Boston Waterfront	S	M	Tu	W	Th
Roy W. Tess Award: Honoring Jamil Baghdachi			D		
Adhesion Science & Adhesive Materials			P	D	D
Joint PMSE/POLY Poster Session**			E		
General Papers/New Concepts in Polymeric Materials				D	D
Joint PMSE/POLY Awards Reception & Plenary Lecture**				E	
Professional Legacy of Henry Hill* (PROF)	P				
Innovation from Discovery to Application Plenary Session* (MPPG)	P				
Undergraduate Research Posters* (CHED)		P			
From Raw to Varoom: The Science behind Getting a Car on the Road* (CHED)		E			
The Future of Innovation Now* (MPPG)		E			
Henry A. Hill Centennial Symposium: Innovation in Polymer Science* (POLY)			D		
Innovation in Materials for Emerging Uses* (MPPG)			P		
Polymer Concepts in Inorganic Chemistry Courses* (CHED)				P	

Division of Professional Relations

PROF

R. D. Libby, Program Chair

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Professional Legacy of Henry Hill**	P				
Getting Your First Industrial Job**		A			
Chemical Angel Network: Chemists Investing in Chemical Companies** <i>IDA</i>		P			
Checklist for Turning Thirty**			A		

*Cosponsored symposium with primary organizer shown in parentheses; located with primary organizer.

**Primary organizer of a cosponsored symposium.

IDA: Innovation from Discovery to Application

A = AM AE = AM/EVE P = PM D = AM/PM
E = EVE DE = AM/PM/EVE PE = PM/EVE

PROGRAM SUMMARY

Division of Professional Relations (continued)

PROF

R. D. Libby, Program Chair

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Women in Innovation: Business & Commerce** IDA			P		
Opportunities for U.S./Cuba Collaboration in Chemistry, Chemical Engineering & Chemistry Education* (IAC)	A				
National Science Foundation's Centers for Chemical Innovation* (PRES)	D				
True Stories from Entrepreneurs: BRIC Edition* (SCHB)	P	A			
21st Century Chemistry Education: Formal & Informal* (PRES)	P	A			
The Chemistry Enterprise in 2015* (BMGT)		A			
Careers for Young Professionals in Green Chemistry: Breaking Bad Chemistry Habits* (CHED)		A			
Memories of Henry Hill: His Legacy in Science & in Professional Service* (HIST)		A			
Managing Transitions* (WCC)		A			
ACS Scholars: Rising Stars in Academe* (PRES)		A			
Younger Chemists Exchanging More Than Currency: First—Euros & Dollars; Next—Rupees, Rands & Reais* (YCC)		D			
Leadership Skills as a Strategic Advantage: The Chemist's Competitive Edge* (BMGT)		P			
The Legacy of Henry Hill: Commercial Enterprises in the Polymer Sector* (SCHB)		P			
ACS Scholars: Rising Stars in Industry* (PRES)		P			
Transforming University-Industry Partnerships for an Innovative Future* (PRES)			D		
International Entrepreneurship: How To Start a Business & Thrive in the Global Marketplace* (IAC)			D		
Starting-Up & Spinning-Out: Commercializing Innovative Chemistry* (SCHB)			D		
Henry A. Hill Centennial Symposium: Innovation in Polymer Science* (POLY)			D		
Big Chemistry from Small Businesses* (SCHB)				A	

Rubber Division

RUBB

D. Ruch, Program Chair

Located with Primary Sponsor	S	M	Tu	W	Th
From Raw to Varoom: The Science behind Getting a Car on the Road* (CHED)		E			

Division of Small Chemical Businesses

SCHB

J. Sabol, Program Chair

Westin Boston Waterfront	S	M	Tu	W	Th
Entrepreneurs' Poster Session IDA	A				
True Stories from Entrepreneurs: BRIC Edition**	P	A			
The Legacy of Henry Hill: Commercial Enterprises in the Polymer Sector** IDA		P			
Sci-Mix		E			
Starting-Up & Spinning-Out: Commercializing Innovative Chemistry** IDA			D		
Big Chemistry from Small Businesses** IDA				A	
National Science Foundation's Centers for Chemical Innovation* (PRES)	D				
Professional Legacy of Henry Hill* (PROF)	P				
Careers for Young Professionals in Green Chemistry: Breaking Bad Chemistry Habits* (CHED)		A			
Memories of Henry Hill: His Legacy in Science & in Professional Service* (HIST)		A			
ACS Scholars: Rising Stars in Academe* (PRES)		A			
Chemical Angel Network: Chemists Investing in Chemical Companies* (PROF)		P			
ACS Scholars: Rising Stars in Industry* (PRES)		P			
GMOs & the Entanglement of Intellectual Property Rights* (AGRO)			A		
Transforming University-Industry Partnerships for an Innovative Future* (PRES)			D		
International Entrepreneurship: How To Start a Business & Thrive in the Global Marketplace* (IAC)			D		

Division of Small Chemical Businesses (continued)

SCHB

J. Sabol, Program Chair

Westin Boston Waterfront	S	M	Tu	W	Th
Immunoassays & Other Bioanalytical Techniques: Immunochemistry Summit XII* (AGRO)			D		
Women in Innovation: Business & Commerce* (PROF)			P		

Committee on Chemical Safety

CCS

E. Howson, Program Chair

Seaport Hotel	S	M	Tu	W	Th
Lab Safety 25 Years after Promulgation of the OSHA Laboratory Standard* (CHAS)	P	A			
Chemical Health & Safety Awards* (CHAS)		P			
Current Topics in Chemical Safety Information* (CHAS)			D		

Committee on Corporation Associates

CORP

D. Mason, Program Chair

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Academic Innovations for Tomorrow's Industries: GSSPC Symposium* (CHED)			D		

Committee on Divisional Activities

DAC

M. J. Morello, Program Chair

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Academic Innovations for Tomorrow's Industries: GSSPC Symposium* (CHED)			D		

Committee on Economic & Professional Affairs

CEPA

D. Kneeland, Program Chair

Located with Primary Sponsor	S	M	Tu	W	Th
Professional Legacy of Henry Hill* (PROF)	P				
Leadership Skills as a Strategic Advantage: The Chemist's Competitive Edge* (BMGT)		P			

Committee on Environmental Improvement

CEI

C. Middlecamp, Program Chair

Located with Primary Sponsor	S	M	Tu	W	Th
Toxicology & Environmental Impact in the Chemistry Curriculum: Science & Strategies for Educators—State of the Art Symposium* (CHED)	D	A			
New Challenges in Water Quality, Treatment, Reuse & Sustainability: Chemistry & Application of Advanced Oxidation Processes for Removal of Contaminants of Concern & Transformation Products* (ENVR)	D	D	D	E	
Designing Safer Chemicals* (ENVR)	D				
Education for Sustainable Development & Innovative Technologies across Culture* (CHED)	P				
Careers for Young Professionals in Green Chemistry: Breaking Bad Chemistry Habits* (CHED)		A			
Citizens First! Using Real-World Contexts for Engaging Students in Learning Chemistry* (CHED)		D			
Incorporating Green Chemistry Innovations & Applications into the Classroom & Outreach* (CHED)		P			
Biological Inspiration for Environmental Sustainability: Bioinspired Approaches for Energy Conversion, Storage & Materials* (ENVR)			D	D	A
The Debate: How Do We Respond to Climate Change?* (ENVR)			P		
Biological Inspiration for Environmental Sustainability: Bioinspired Approaches for Energy Conversion, Storage & Materials—Poster* (ENVR)				E	

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PROGRAM SUMMARY

Committee on Ethics

ETHC

K. Vitense, Program Chair

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Professional Legacy of Henry Hill* (PROF)	P				

Committee on Minority Affairs

CMA

J. Sarquis, Program Chair

Located with Primary Sponsor	S	M	Tu	W	Th
Professional Legacy of Henry Hill* (PROF)	P				
ACS Scholars: Rising Stars in Academe* (PRES)		A			
The Legacy of Henry Hill: Commercial Enterprises in the Polymer Sector* (SCHB)		P			
ACS Scholars: Rising Stars in Industry* (PRES)		P			

Committee on Science

COMSCI

K. C. Glasgow, Program Chair

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Opportunities for U.S./Cuba Collaboration in Chemistry, Chemical Engineering & Chemistry Education* (IAC)	A				
Scientific Integrity: Can We Rely on the Published Scientific Literature?* (CINF)			D		

International Activities Committee

IAC

H. N. Cheng, A. Rimando, Program Chairs

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Opportunities for U.S./Cuba Collaboration in Chemistry, Chemical Engineering & Chemistry Education**	A				
International Entrepreneurship: How To Start a Business & Thrive in the Global Marketplace**			D		
True Stories from Entrepreneurs: BRIC Edition* (SCHB)	P	A			
Younger Chemists Exchanging More Than Currency: First—Euros & Dollars; Next—Rupees, Rands & Reais* (YCC)		D			

Senior Chemists Committee

SCC

G. Heinze, Program Chair

Boston Convention & Exhibition Center	S	M	Tu	W	Th
From Raw to Varoom: The Science behind Getting a Car on the Road* (CHED)		E			

Society Committee on Education

SOCED

G. Muller, Program Chair

Boston Convention & Exhibition Center	S	M	Tu	W	Th
What's in Your Chemical Toolbox?*		P			
High School Program* (CHED)	A				
Undergraduate Research Papers* (CHED)	D				
21st Century Chemistry Education: Formal & Informal* (PRES)	P	A			
Undergraduate Research Posters* (CHED)		P			
Incorporating Green Chemistry Innovations & Applications into the Classroom & Outreach* (CHED)		P			
Successful Student Chapters* (CHED)		E			

Women Chemists Committee

WCC

A. Debaille, K. Wozniak, Program Chairs

Sheraton Boston Hotel	S	M	Tu	W	Th
Managing Transitions**		A			
Women in Innovation: Business & Commerce* (PROF)			P		

Younger Chemists Committee

YCC

A. Gavrilenko, T. Matos, Program Chairs

Seaport Hotel	S	M	Tu	W	Th
Younger Chemists Exchanging More Than Currency: First—Euros & Dollars; Next—Rupees, Rands & Reais**		D			
Careers for Young Professionals in Green Chemistry: Breaking Bad Chemistry Habits* (CHED)		A			
Getting Your First Industrial Job* (PROF)		A			
ACS Scholars: Rising Stars in Academe* (PRES)		A			



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Visit www.acs.org/leadershipdevelopment
or contact leaders@acs.org

Younger Chemists Committee (continued)

Y C C

A. Gavrilenko, T. Matos, Program Chairs

Seaport Hotel	S	M	Tu	W	Th
Green Chemistry & the Environment* (ENVR)		D	A	E	
Leadership Skills as a Strategic Advantage: The Chemist's Competitive Edge* (BMGT)		P			
ACS Scholars: Rising Stars in Industry* (PRES)		P			
Checklist for Turning Thirty* (PROF)			A		
Starting-Up & Spinning-Out: Commercializing Innovative Chemistry* (SCHB)			D		
Women in Innovation: Business & Commerce* (PROF)			P		

Consultative Committee on Metrology in Chemistry & Biology

CCQM

W. May, R. Wielgosz, Program Chairs

Boston Convention & Exhibition Center	S	M	Tu	W	Th
Chemistry & the International System of Weights & Measures				D	

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**Primary organizer of a cosponsored symposium.

IDA: Innovation from Discovery to Application

A = AM AE = AM/EVE P = PM D = AM/PM
E = EVE DE = AM/PM/EVE PE = PM/EVE

GENERAL MEETING INFORMATION

YOUR MEETING REGISTRATION entitles you to a range of programming, including 1,550 scientific sessions, invited symposia, poster sessions, special lectures and events, award presentations, workshops, and the exposition. Interact with chemical scientists from around the world by participating in social events, networking opportunities, exhibitor sessions, and educational activities, with many events offered at no additional charge. Certain workshops, short courses, and ticketed events require a separate entry fee, as indicated in this program.

EARLY REGISTRATION:
Up to June 29

STANDARD REGISTRATION:
June 30–Aug. 20

ON-SITE ATTENDEE REGISTRATION:
Boston Convention & Exhibition Center, North Lobby

REGISTRATION

ALL ATTENDEES, including speakers and poster presenters, must register for the meeting to participate in the technical sessions. Sponsored speakers should contact their symposium organizer or division program chair to clarify the terms of their invitation and to determine who will complete the speaker's registration. Attendees must display their badge at all times for admission to all official ACS sessions and events.

Early Registration. U.S. residents who register by June 29 will receive their badge credentials by mail before the meeting. International registrants (this includes Canada and Mexico) must pick up their badge credentials at ACS Attendee Registration.

Standard & On-Site Registration. Attendees who register after June 29 must pick up their badge credentials on-site.

Registration Changes. Attendees can modify their existing registration or generate a receipt from the registration website by following the instructions in their confirmation message. Attendees can also contact the ACS National Meeting Registration

Center or update their registration on-site at ACS Attendee Registration. Bring your confirmation and/or badge credentials with you to the meeting for faster processing.

REGISTRATION METHODS. All registrants will receive a confirmation via the original method of registration.

Internet. Register online at www.acs.org/boston2015 until Aug. 20. A valid credit card is required to register online, and online registrations are real-time transactions.

Telephone. Call the ACS National Meeting Registration Center at (800) 251-8629 (U.S./Canada only) or (508) 743-0192 (international), Monday through Friday, 9 AM to 5 PM EDT.

Fax/Mail. Submit the registration form (page 74) via fax by Aug. 8: (508) 743-9604 or mail: ACS Registration, c/o CDS, 107 Waterhouse Rd., Bourne, MA 02532.

On-site. Register during the meeting at ACS Attendee Registration at standard registration rates. ACS Attendee Registration will be open at the Boston Convention & Exhibition Center (BCEC), North Lobby, on Saturday, 3 to 6 PM; Sunday, 7:30 AM to 7:30 PM; Monday, 7:30 AM to 9 PM; Tuesday, 7:30 AM to 5 PM; Wednesday, 7:30 AM to 4 PM; and Thursday, 7:30 AM to 1 PM.

Registration Payments. Registration fees can be paid by check, money order, credit card (American Express, Discover, MasterCard, or VISA), or bank wire transfer. Make checks payable in U.S. dollars to the American Chemical Society, and include a completed registration form with each payment. Registration fees should not be combined with any other payment (such as membership dues). Purchase orders and training requests are not accepted. For wire transfer payments, contact the ACS Finance Department at (202) 872-6106 or e-mail bankwires@acs.org. **Registration forms received without payment will not be processed.**

REGISTRATION ASSISTANCE. The ACS National Meeting Registration Center will be available from 9 AM to 5 PM EDT by telephone, fax, mail, or e-mail. Service representatives can be reached at (800) 251-8629 (U.S./Canada only) or (508) 743-0192 (international); fax: (508) 743-9604; e-mail: acs@xpressreg.net; or mail: ACS Registration, c/o CDS, 107 Waterhouse Rd., Bourne, MA 02532.

Registration Cancellations/Refunds.

All cancellations and refund requests must be submitted in writing by July 17 to guarantee the registrant a full refund less a \$50 administrative fee. Refund requests made after July 17 will not be honored. Your registration badge credentials and a copy of your registration confirmation must be attached to your request. All refunds will be issued via the original payment method, and refunds will be processed within 30 days after the meeting. Send your request to ACS Registration Cancellation, c/o CDS, 107 Waterhouse Rd., Bourne, MA 02532 or fax (508) 743-9604 (save your fax confirmation sheet).

Social Event Ticket Cancellations/Refunds. Social event cancellations received by July 17 entitle the registrant to a full refund. Refund requests made after July 17 will not be honored. Event tickets and a copy of your registration confirmation must be attached to your request.

Abstract Cancellations/Refunds. Abstract USB flash drives (thumb drives) and their shipping costs are nonrefundable.

REGISTRATION CATEGORY	FEE	
	EARLY BY JUNE 29	STANDARD AFTER JUNE 30
MEMBERS		
ACS member or society affiliate	\$390	\$470
Postdoctoral member	390	470
Emeritus or retired member	195	235
50-year member	No fee	No fee
Unemployed member (Dues waiver required)	No fee	No fee
Precollege teacher	100	100
Graduate student	195	195
Undergraduate	100	100
One-day registrant	195	235
NONMEMBERS		
Chemical scientist	\$685	\$825
Postdoctoral scientist	685	825
Visitor: Nonchemical scientist or chemical technician	390	470
Precollege teacher	100	100
Graduate student	390	390
Undergraduate	195	195
One-day registrant	390	470
Guest of registrant ^a	40	40
EXPOSITION-ONLY VISITORS		
Adult, exposition only	\$50	\$50
Student, exposition only	25	25

^a Registration is restricted to a spouse or family member of registered attendee having no affiliation with the field of chemical science and who is not eligible to become an ACS member. Only one guest registration is allowed per registering attendee, and the guest registration must be completed and paid by the registering attendee at time of original registration.



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AMERICAN CHEMICAL SOCIETY • 250th NATIONAL MEETING & EXPOSITION
AUGUST 16 – 20, 2015 • BOSTON, MA

4 ways to register: (see Registration Procedures)

Online: <http://www.acs.org/boston2015> (credit cards only).

Phone: 508-743-0192 or 800-251-8629, Monday - Friday, 9 AM to 5 PM EST (credit cards only) by August 20, 2015.

Mail completed form with payment to: ACS Registration c/o CDS, 107 Waterhouse Road, Bourne, MA 02532 by August 20, 2015.

Fax completed form with payment to: 508-743-9604 (credit cards only) by August 20, 2015.

– REGISTRANT INFORMATION

☐ Dr. ☐ Prof. ☐ Mr. ☐ Ms. ☐ Mrs.

ACS Membership # _____ (Required for member discount)

First Name _____

Last Name _____

Title _____

Company/Institution/Agency _____

Street Address _____

City _____

State/Province _____

Zip/Postal Code _____

Country _____

Phone _____

Ext. _____

Fax _____

E-mail Address _____

Emergency Contact Name _____

Emergency Contact Number _____

Cell Number _____

With your approval, ACS show management will be sending meeting alerts & special offers by text messaging. Regular text messaging rates may apply. ☐ Yes I accept or ☐ No I do not accept

How would you like to receive your meeting and exhibitor promotions before and after the meeting? (check all that apply) ☐ Mail ☐ E-mail ☐ Do not contact me for non-official purposes

Do you require special services or auxiliary aids in order to participate in the meeting? ☐ Yes ☐ No Describe _____

DEMOGRAPHICS

1. Professional Affiliation (check one)

- ☐ (a) Academia ☐ (b) Government ☐ (c) Industry ☐ (d) Student
☐ (e) Other _____

2. Highest Degree Received (check one)

- ☐ (A) A.S./A.A.S. (Associate Degree) ☐ (B) B.S./B.A. (Baccalaureate Degree)
☐ (C) M.S. ☐ (D) Ph.D. ☐ (E) Still in school (degree not completed)
☐ (F) Other _____

3. Professional Concentration (check all that apply)

- | | |
|---|--|
| <input type="checkbox"/> (A) Aerospace/Transportation | <input type="checkbox"/> (S) Inorganic |
| <input type="checkbox"/> (B) Agriculture & Food | <input type="checkbox"/> (T) Law/Legal Affairs |
| <input type="checkbox"/> (C) Analytical | <input type="checkbox"/> (U) Lubricants/Oils |
| <input type="checkbox"/> (D) Biochemistry | <input type="checkbox"/> (V) Marketing/Sales/Business |
| <input type="checkbox"/> (E) Biotechnology | <input type="checkbox"/> (W) Materials |
| <input type="checkbox"/> (F) Chemical Education | <input type="checkbox"/> (X) Metals/Metal Products |
| <input type="checkbox"/> (G) Chemical Information | <input type="checkbox"/> (Y) Nuclear |
| <input type="checkbox"/> (H) Clinical/Diagnostic | <input type="checkbox"/> (Z) Organic |
| <input type="checkbox"/> (I) Colloids & Surfaces | <input type="checkbox"/> (AA) Paint/Coatings |
| <input type="checkbox"/> (J) Combinatorial Chemistry | <input type="checkbox"/> (BB) Personal Care/Cosmetics |
| <input type="checkbox"/> (K) Computing/Molecular Modeling | <input type="checkbox"/> (CC) Pharmaceutical/Medicinal |
| <input type="checkbox"/> (L) Electronics/Semiconductors | <input type="checkbox"/> (DD) Physical |
| <input type="checkbox"/> (M) Energy/Fuels | <input type="checkbox"/> (EE) Polymers/Plastics |
| <input type="checkbox"/> (N) Environmental | <input type="checkbox"/> (FF) Pulp/Paper/Wood |
| <input type="checkbox"/> (O) Forensics | <input type="checkbox"/> (GG) Rubber |
| <input type="checkbox"/> (P) Geochemistry | <input type="checkbox"/> (HH) Soap/Detergent/Cleaners |
| <input type="checkbox"/> (Q) Glass/Ceramics/Composites | <input type="checkbox"/> (II) Textiles/Fiber |
| <input type="checkbox"/> (R) Health & Safety | <input type="checkbox"/> (JJ) Toxicology |
| <input type="checkbox"/> (KK) Other _____ | |

4. Is this your first ACS National Meeting? ☐ Yes ☐ No

5. What's your primary reason for attending this meeting?

- ☐ Present a paper or poster
☐ Network with other scientists
☐ Investigate research or technical topics
☐ Research or buy products inside Exposition
☐ Search for a job in Career Services
☐ Obtain new skills and hand-on experience
☐ Participate in ACS governance activities
☐ Work during the meeting (staff/exhibitors)
☐ Other _____

6. Where are you staying (or planning to stay) during the meeting?

Hotel _____ Other _____

7. What mode of transportation will you take to attend the meeting?

☐ Plane ☐ Train ☐ Car ☐ Other _____

REGISTRATION CATEGORIES & FEES

ACS Members

	EARLY from May 19	STANDARD after June 29
<input type="checkbox"/> ACS member or Society affiliate	\$390	\$470
<input type="checkbox"/> Postdoctoral	\$390	\$470
<input type="checkbox"/> Emeritus or retired	\$195	\$235
<input type="checkbox"/> 50-year	No Fee	No Fee
<input type="checkbox"/> Unemployed	No Fee	No Fee
(dues waiver required)		
<input type="checkbox"/> Graduate student	\$195	\$195
<input type="checkbox"/> Undergraduate Student	\$100	\$100
<input type="checkbox"/> Precollege teacher	\$100	\$100
<input type="checkbox"/> One day member registrant	\$195	\$235
<input type="checkbox"/> Su <input type="checkbox"/> M <input type="checkbox"/> Tu <input type="checkbox"/> W <input type="checkbox"/> Th		

Non-Members

<input type="checkbox"/> Chemical scientist	\$685	\$825
<input type="checkbox"/> Postdoctoral scientist	\$685	\$825
<input type="checkbox"/> Visitor: Non-chemical scientist	\$390	\$470
<input type="checkbox"/> Visitor: Chemical technician	\$390	\$470
<input type="checkbox"/> Graduate Student	\$390	\$390
<input type="checkbox"/> Undergraduate Student	\$195	\$195
<input type="checkbox"/> Pre-College Teacher	\$100	\$100
<input type="checkbox"/> One-day registrant	\$390	\$470
<input type="checkbox"/> Su <input type="checkbox"/> M <input type="checkbox"/> Tu <input type="checkbox"/> W <input type="checkbox"/> Th		

☐ Guest of Registrant (1) \$40 \$40

(1) Guest Registration - A Spouse or family member of the registering attendee having no affiliation with the field of chemical science and is not eligible to become a member of the ACS. Only one guest registration allowed per full or one-day registration.

Guest Name _____

Exposition Visitors

<input type="checkbox"/> Adult	\$50	\$50
<input type="checkbox"/> Student	\$25	\$25

8. Registration Subtotal \$ _____

PAYMENT

You agree to accept all terms and conditions by submitting this registration to participate in the ACS National Meeting & Exposition.

Pay by: ☐ Check - (made payable in U.S. dollars to American Chemical Society)

Credit Card Type: ☐ VISA ☐ MasterCard ☐ American Express ☐ Diners

By signing below, the credit card holder agrees to pay the charges listed above in order to participate in the 250th ACS National Meeting in Boston, MA.

Credit Card Number _____ Exp Date _____

Credit Card Billing Address & Zip _____

Card Holder Name _____

Card Holder Signature _____

SOCIAL EVENT FEES

Event No.	Qty	\$/Ticket	\$ TOTAL
_____	_____	_____	_____
_____	_____	_____	_____

9. Social Event Subtotal \$ _____

If you register before the social event tickets are available, you can later purchase your tickets by contacting the Customer Service office, at 508-743-0192 or 1-800-251-8629, if you are paying by check or money. If you are paying by credit card, you can update your registration online by using your confirmation number.

ABSTRACT FEES

	ACS MEMBER	NON-MEMBER
Flash Drive (pick up) _____	@\$65 ea.	@\$90 ea.
Flash Drive (ship) _____	@\$73 ea.	@\$98 ea.

10. Abstract Subtotal \$ _____

Abstracts ordered by June 29, 2015, will be shipped for delivery prior to the meeting. All other abstracts will be available for pick-up onsite at Attendee Registration. ACS will not be responsible for abstracts not picked up during the meeting. Abstract flash drives will only be shipped to U.S. street addresses (no P.O. boxes)

GRAND TOTAL

11. Grand Total of 8-10 \$ _____

Registrant Procedures: U.S. attendees who register by June 29, 2015, will receive their registration credentials and tickets via mail prior to the meeting. Unless an international attendee has provided a U.S. mailing address on their registration form, their credentials must be picked-up onsite at the Attendee Registration (this includes Canada and Mexico). After June 29, 2015, registrations will continue to be accepted at the standard rate on-line and by phone or fax (credit card payment only) until August 20, 2015.

Registration Cancellation/Refund Policy: By adhering to the following cancellation procedure, cancellations received by July 17, 2015, are entitled to a full refund, less a \$50 administrative fee. Registrants must return a copy of the registration confirmation along with the original registration credentials before payment will be posted to the account. All refunds are issued via the same method used for payment. Refunds are processed within 30 days after the conclusion of the meeting.

1. Submit your written cancellation to the ACS Registration Customer Service Center by mail, fax or e-mail by July 17, 2015.
2. Return your unused registration credentials to ACS by July 17, 2015. If you cancel before receiving your registration credentials, contact the ACS Registration Customer Service Center for further instructions.
3. Refund requests made after July 17, 2015, will not be honored.
4. No cancellation or refund for Abstract flash drives and/or postage charges for mailing will be made.

MEMBER REGISTRATION. You must enter a valid ACS membership number during registration to register as a member and receive your ACS member discount on registration fees. Your registration options will automatically appear in accordance with your current membership status in the ACS membership database. Your ACS membership number can be found on your ACS membership card or your *Chemical & Engineering News* address label. Address questions about your membership status to ACS Member Services at (800) 333-9511 (U.S./Canada only); (614) 447-3776 (international); or e-mail: service@acs.org.

NONMEMBER REGISTRATION. Save money on discounted registration fees by joining ACS. You can join ACS now through the online ACS membership application at www.acs.org/join or by contacting ACS Member Services and then registering for the meeting at your member rate. To receive your meeting discount, you must join the society before you register for the meeting. New memberships or questions about membership status should be handled through ACS Member Services at (800) 333-9511 (U.S./Canada only); (614) 447-3776 (international); or e-mail: service@acs.org.

PRESS/MEDIA REGISTRATION.

Press registration is complimentary for credentialed members of the news media who are approved by the ACS Office of Communications (restricted to reporters and editors working full-time for print or broadcast news). Press badges may be picked up with valid media credentials from the Press Room at the BCEC. For more information, visit www.acs.org/pressroom.

EXPO-ONLY ADMISSION. All meeting attendees with a valid badge receive complimentary admittance into the exposition as part of their registration. Individuals who want to visit the exposition without registering for the meeting's technical sessions can register for an expo-only adult badge for \$50 or \$25 for students with school identification. Register online or in person at ACS Attendee Registration.

EXHIBITOR REGISTRATION. Exhibitor registration is handled exclusively through ACS National Expositions at www.acs.org/expositions.

CAREER FAIR EMPLOYER REGISTRATION. ACS Career Fair Employer registration is handled exclusively through ACS Careers at www.acs.org/careers.

TICKETED EVENTS

A VARIETY of social and special events will be held by event organizers during the meeting. Event participation is open to all interested registrants. View an updated listing of social and special events, including event locations, at www.acs.org/boston2015.

The following social events require purchase of a ticket (event number in red), which can be purchased through Attendee Registration. Tickets will remain on sale until the evening prior to the event, if available. All tickets are sold on a first-come, first-served basis. Cancellations or refund requests must be made by July 17. No tickets will be refunded after that date.

EVENTS & ACTIVITIES

SATURDAY, AUG. 15

YCC/Member Insurance Run Registration/SE-01/\$35 (regular)/SE-01A/\$20 (student)
9 AM to 5 PM, Boston Convention & Exhibition Center (BCEC)

SUNDAY, AUG. 16

Communications Workshop #1—Improv Science & Art/SE-02/\$10
9 AM to noon, BCEC

Communications Workshop #2—Improv Science & Art/SE-03/\$10
9 AM to noon, BCEC

YCC/Member Insurance Run Registration/SE-04/\$35 (regular)/SE-04A/\$20 (student)
9 AM to 5 PM, BCEC

CHED High School-College Interface Luncheon/SE-05/\$45
(Included at no charge with high school teacher registration.)
Noon to 1 PM, BCEC

Communications Workshop #3—Improv Science & Art/SE-06/\$10
1:30 to 4:30 PM, BCEC

Communications Workshop #4—Improv Science & Art/SE-07/\$10
1:30 to 4:30 PM, BCEC

International Welcome Reception/SE-08/no charge
(International registrants only.) 5:30 to 7 PM, BCEC

MONDAY, AUG. 17

WCC Women Chemists Enterprise Breakfast/SE-09/\$40 (regular)/SE-10/\$20 (student)
7:30 to 9 AM, Sheraton Boston Hotel

Committee on Minority Affairs/SE-11/\$50
11:30 AM to 1:30 PM, Sheraton Boston Hotel

Undergraduate Eminent Scientist Luncheon & Lecture/SE-12/\$30
(Included at no charge with undergraduate registration.)
Noon to 1:30 PM, BCEC

CHAL (Chemistry & the Law) Drug & Power Luncheon/SE-13/\$40
Noon to 1:30 PM, BCEC

Membership—Rock-Star New Member Reception/SE-14/no charge
4 to 5 PM, BCEC

CACS (Chinese American Chemical Society) Dinner/SE-15/\$35
5:30 to 9:30 PM, Hei La Moon Restaurant, 88 Beach St.

Purdue University Department of Chemistry Alumni Reception/SE-16/\$10
6:30 to 8 PM, Renaissance Boston Waterfront

ACS Graduate & Postdoctoral Scholars Reception/SE-17/no charge
(Tickets automatically assigned to graduate and postdoctoral students.)
7 to 8:30 PM, BCEC

TUESDAY, AUG. 18

Senior Chemists Committee Breakfast/SE-18/\$20
7:30 to 9:30 AM, Sheraton Boston Hotel

University of Minnesota Alumni Breakfast/SE-19/\$5.00
7:30 to 9:30 AM, BCEC

OFFICIAL HOTEL LIST



For best availability, make your reservation via the Internet at www.acs.org/boston2015 or by phone at (866) 847-8570.

*All contracted ACS room rates include complimentary in-room Internet access and fitness center access. Room rates below do not include 14.45% room tax (subject to change).

** Additional fees may apply: If a rollaway bed is required, if there are pets in guestrooms, and if smoking occurs in guestrooms (all rooms are non-smoking rooms).

*** Indicates hotel has a sustainability certification, such as Green Key, LEED, ISO 14001, ENERGY STAR, TripAdvisor GreenLeaders, or another third party verified program. For more hotel sustainability information please refer to the meeting website.

HOTELS	Room Rates*				**Max People per Room	No Charge for Children Under Age	Childcare List Available	ACS Shuttle Route	Parking Rate (per day)	Room Service	** Allow Pets	Pool	ADA Rooms	*** Green Cert.
	Single	Double	Triple	Quad										
1. Boston Marriott Copley Place	\$235	\$235	\$255	\$275	4	18	No	Yes	\$37/\$53	Yes	Service	Yes	Yes	Yes
2. Boston Park Plaza Hotel and Towers	\$237	\$237	\$257	\$277	4	12	No	Yes	\$31/\$48	Yes	Yes	No	Yes	No
3. Courtyard Boston Downtown	\$190	\$210	\$230	\$250	4	17	No	Yes	\$49	No	Service	No	Yes	No
4. Doubletree by Hilton Hotel Boston-Downtown	\$196	\$196	\$216	\$236	4	N/A	No	Yes	\$59	Yes	Service	No	Yes	Yes
5. Fairmont Copley Plaza	\$231	\$231	\$261	\$291	4	18	Yes	Yes	\$32/\$51	Yes	Yes	No	Yes	Yes
6. Hilton Boston Back Bay	\$215	\$215	\$235	\$255	4	12	No	Yes	\$43	Yes	Service	Yes	Yes	No
7. Hilton Boston Downtown / Faneuil Hall	\$229	\$229	\$249	\$269	4	12	Yes	Yes	\$49	Yes	Yes	No	Yes	No
8. Hyatt Regency Boston	\$246	\$246	\$271	\$296	4	10	No	Yes	\$50	Yes	Yes	Yes	Yes	Yes
9. InterContinental Boston	\$261	\$261	\$296	\$331	4	N/A	Yes	Yes	\$44	Yes	Yes	Yes	Yes	Yes
10. Omni Parker House Hotel	\$235	\$235	\$265	\$295	4	12	No	Yes	\$39.75	Yes	Yes	No	Yes	Yes
11. Renaissance Boston Waterfront	\$259	\$279	\$299	\$319	4	N/A	Yes	No	\$42	Yes	Service	Yes	Yes	No
12. Seaport Hotel—additional \$3.00 per night hotel charge, not included in the rate.	\$259	\$259	\$284	\$309	4	18	Yes	No	\$36/\$46	Yes	Yes	Yes	Yes	Yes
13a. Sheraton Boston Hotel—Standard Room	\$239	\$259	\$279	\$299	4	18	No	Yes	\$40/\$51	Yes	Yes	Yes	Yes	Yes
13b. Sheraton Boston Hotel—Standard Room	\$249	\$269	\$289	\$309	4	18	No	Yes	\$40/\$51	Yes	Yes	Yes	Yes	Yes
14. W Boston	\$270	\$270	\$290	\$310	4	18	No	Yes	\$51	Yes	Yes	No	Yes	Yes
15a. Westin Boston Waterfront—King Bedded Rooms	\$259	\$259	\$279	\$299	4	18	No	No	\$36/\$46	Yes	Yes	Yes	Yes	Yes
15b. Westin Boston Waterfront—Double Bedded Rooms	\$279	\$279	\$299	\$319	4	18	No	No	\$36/\$46	Yes	Yes	Yes	Yes	Yes
16. Westin Copley Place	\$265	\$265	\$285	\$305	4	17	No	Yes	\$53	Yes	Yes	Yes	Yes	Yes

Orchid Event Solutions is the ONLY ACS designated housing provider for the 250th National Meeting.
Beware of companies misrepresenting themselves as affiliated with ACS.



I&EC (Industrial & Engineering Chemistry) Graduate Symposium Luncheon/SE-20/\$40

11:45 AM to 12:45 PM, Renaissance Boston Waterfront

CINF (Chemical Information Division) Luncheon/SE-21/\$20 (member regular)/SE-22/\$15 (member student)/SE-23/\$25 (nonmember)

Noon to 1:30 PM, BCEC

COLL (Colloid Division) Luncheon/SE-24/\$40

Noon to 1:30 PM, Westin Boston Waterfront

WCC—Women Chemists Committee Luncheon/SE-25/\$50 (regular)/SE-26/\$25 (student)

Noon to 1:30 PM, Sheraton Boston Hotel

C4—Communicating Chemistry: Colonial Cuisine/SE-27/\$10

3 to 4:30 PM, Boston University—Metropolitan College, 808 Commonwealth Ave.

ENVR (Division of Environmental Chemistry) Social & Reception/SE-28/\$20

6 to 7:30 PM, Back Bay Harry's, 142 Berkeley St.

ANYL (Division of Analytical Chemistry) Dinner/SE-29/\$40 (regular)/SE-30/\$20 (student)

6 to 9 PM, Joe's American—Waterfront, 100 Atlantic Ave.

ENFL (Division of Energy & Fuels) Dinner/SE-31/\$65

6:30 to 9:30 PM, Morton's The Steakhouse, 2 Seaport Ln.

ENVR (Division of Environmental Chemistry) Dinner/SE-32/\$60

8 to 10 PM, Back Bay Harry's, 142 Berkeley St.

ACCOMMODATIONS

ACS HAS CONTRACTED a wide selection of hotel rooms with competitive rates for the national meeting in Boston. Orchid Event Solutions is the official housing bureau. ACS does not endorse booking hotel reservations through any other sources. Reserve your hotel rooms directly through Orchid Event Solutions by July 22. A listing of official hotels with their guaranteed ACS rates and amenities can be found on page 76. All attendees who make reservations through Orchid Event Solutions will receive complimentary Internet access in their sleeping rooms and are automatically

MEETING INFO ON THE WEB

Registration, housing, technical programming, special events, participating exhibitors, and other meeting details are available at www.acs.org/boston2015.

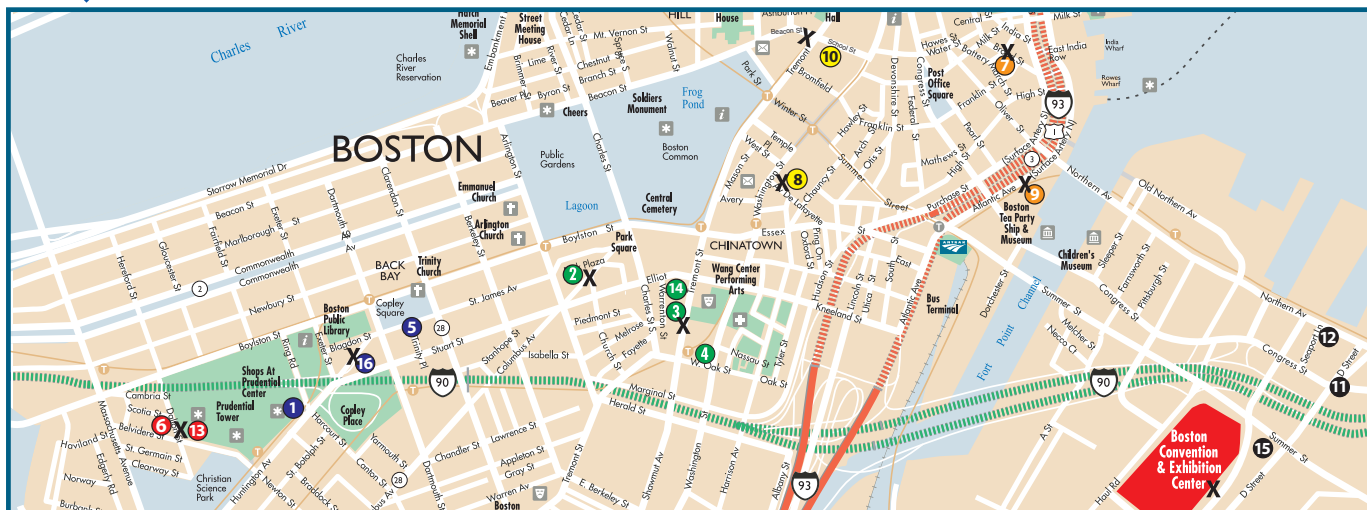


ACS
Chemistry for Life®

250th ACS National Meeting & Exposition

August 16–20, 2015 | Boston, MA | www.acs.org/boston2015 | [#acsBoston](https://twitter.com/acsBoston)

SHUTTLE SERVICE SCHEDULE



LEGEND

ROUTE 1 ROUTE 2 ROUTE 3 ROUTE 4 ROUTE 5 WALKING BOARDING LOCATION

HOURS OF OPERATION

Sunday, August 16

7:00 AM–10:00 AM 15-minute intervals
10:00 AM–4:00 PM 30-minute intervals
4:00 PM–7:00 PM 15-minute intervals
7:00 PM–11:00 PM 15-minute intervals

Monday, August 17

7:00 AM–10:00 AM 15-minute intervals
10:00 AM–4:00 PM 30-minute intervals
4:00 PM–11:00 PM 15-minute intervals

Tuesday, August 18

7:00 AM–10:00 AM 15-minute intervals
10:00 AM–4:00 PM 30-minute intervals
4:00 PM–11:00 PM 15-minute intervals

Wednesday, August 19

7:00 AM–11:00 PM 30-minute intervals

Thursday, August 20

7:00 AM–6:00 PM 60-minute intervals



Scan here to download a copy of the shuttle schedule.



For all shuttle inquiries and wheelchair assistance, please call **1-866-439-8564**



Shuttles are operated by
Transportation Management Services.
Carbon Neutral Shuttles

HOTEL ROUTE INFORMATION

Map#	Hotels	Route
1	Boston Marriott Copley Place <i>Boarding: Walk to Westin Copley Place</i>	1
2	Boston Park Plaza Hotel & Towers <i>Boarding: Valet Entrance on Columbus Avenue</i>	2
3	Courtyard Boston Downtown <i>Boarding: Curbside on Tremont Street</i>	2
4	Doubletree by Hilton Hotel Boston—Downtown <i>Boarding: Walk to Courtyard Boston Downtown</i>	2
5	Fairmont Copley Plaza <i>Boarding: Walk to Westin Copley Place</i>	1
6	Hilton Boston Back Bay <i>Boarding: Cross Dalton Street to Sheraton</i>	3
7	Hilton Boston Downtown / Faneuil Hall <i>Boarding: Curbside on Broad Street</i>	4
8	Hyatt Regency Boston <i>Boarding: Curbside on Avenue De Lafayette</i>	5
9	InterContinental Boston <i>Boarding: Curbside on Atlantic Avenue</i>	4
10	Omni Parker House Hotel <i>Boarding: Corner of Beacon Street—at the Citizens Bank</i>	5
11	Renaissance Boston Waterfront <i>Walk to Boston Convention & Exhibition Center</i>	W
12	Seaport Hotel <i>Walk to Boston Convention & Exhibition Center</i>	W
13	Sheraton Boston Hotel <i>Boarding: Curbside on Dalton Street</i>	3
14	W Boston <i>Boarding: Walk to Courtyard Boston Downtown</i>	2
15	Westin Boston Waterfront <i>Walk to Boston Convention & Exhibition Center</i>	W
16	Westin Copley Place <i>Boarding: Curbside on Huntington Avenue</i>	1



ACS
Chemistry for Life®

Book your hotel for the American Chemical Society's
250th National Meeting & Exposition
August 16-20, 2015 in Boston, MA



Housing: May 19, 2015 – July 22, 2015

Enter the ACS Boston, MA Housing Drawing by Staying at a Hotel Booked Through Orchid Event Solutions!

The official ACS housing bureau is Orchid Event Solutions. ACS does not endorse any other housing company.

First Prize – A New iPad*

Second Prize – A New Kindle*

Top Reasons To Book Your Reservation Through Orchid Event Solutions:

1. All sleeping rooms booked through Orchid Event Solutions include complimentary internet access.
2. YOU WILL BE AUTOMATICALLY ENTERED INTO THE DRAWING when you stay at a hotel booked through Orchid Event Solutions.
3. DISCOUNTED RATES at the official hotels.
4. COMPLIMENTARY SHUTTLE SERVICE between Boston Convention & Exhibition Center and the hotels on the ACS housing list.
5. MAKE YOUR RESERVATION ONLINE OR BY PHONE and receive instant acknowledgment of your reservation.
6. KEEP REGISTRATION FEES LOW by booking rooms through Orchid Event Solutions ultimately helping ACS meet its contractual obligations for the meeting.

DON'T DELAY,
RESERVE YOUR ROOM TODAY!

Online at www.acs.org/meetings
or by calling 1-866-847-8570

Monday - Friday, 7am - 6pm MDT.
Housing will close on July 22, 2015.

Rooms are limited, so make your reservation today.

* Prize Drawing Rules: All winners will be determined on the basis of a random drawing conducted on or about August 27, 2015.
Complete details at www.acs.org/meetings



entered in the ACS Housing Drawing (see ad on page 78 for details).

Late Housing. Some hotels may have rooms available after July 22. A listing of these hotels will be posted on the ACS meeting website at www.acs.org/boston2015.

On-Site Housing. An on-site housing desk will be available during the meeting in the registration area of the Boston Convention & Exhibition Center to assist with last-minute housing changes or needs.

RESERVATION METHODS. All registrants will receive confirmation for reservations made directly through Orchid Event Solutions. Review this document carefully for accuracy. Each confirmation contains a unique number that is proof of your reservation through Orchid Event Solutions. We strongly recommend that you bring your confirmation to the meeting. If you lose or do not receive your confirmation, you can obtain another copy online or by contacting Orchid Event Solutions. You will not receive a separate confirmation from the hotel.

Published ACS rates apply to hotel stays between Aug. 12 and 21. To extend your stay beyond these dates, you must reserve additional nights directly through the hotel.

Internet. Reserve online at www.acs.org/boston2015. Online reservations require a valid credit card (American Express, Discover, MasterCard, or VISA), and you will receive a confirmation to your e-mail address within 24 hours.

Telephone. Call Orchid Event Solutions at (866) 847-8570 (U.S./Canada only) or (801) 505-4140 (international), Monday through Friday, 7 AM to 6 PM MDT. Telephone reservations require a valid credit card (American Express, Discover, MasterCard, or VISA), and you will receive an acknowledgment to your e-mail address within 24 hours.

Fax/Mail. Fax the ACS Housing Form (available online and on page 80) with your valid credit card information to (801) 355-0250 or mail the form with your valid credit card information or a check for the amount of one night's room and tax made payable to Orchid Event Solutions and mail to ACS Housing, c/o Orchid Event Solutions, 175 South West Temple, Suite 30, Salt Lake City, UT 84101. Faxed and mailed reservations will be processed on a first-come, first-served basis and require 10 to 14 days to be confirmed. If your requested hotel is no longer available, we will attempt to honor your indicated preference according to cost and location.

RESERVATIONS, CHANGES & CANCELLATION POLICY. Hotel reservations can be guaranteed by credit card (American Express, Discover, MasterCard, or VISA), check, or money order. Make checks payable in U.S. dollars to Orchid Event Solutions and include a completed ACS Housing Form with each mailed payment. Housing fees should not be combined with any other payment (such as registration or membership dues). **Reservations received without payment will not be processed.**

Although a valid credit card or check deposit for one night's room and tax is required to confirm a reservation, a payment will not be charged by Orchid Event Solutions. The credit card information or check deposit will be forwarded with your reservation to your hotel on July 22 after 5 PM MDT. Hotels may elect to charge a deposit of one night's room and tax to your credit card prior to your arrival. You will need to handle all payment arrangements directly with your assigned hotel. All hotel rooms are subject to 14.45% room and occupancy tax (subject to change).

Reservation changes and cancellations can be made without penalty until July 22. Hotels do not have individual reservations or credit card guarantees yet. After July 22, you may continue to make changes and cancellations through Orchid Event Solutions until Aug. 4; however, canceled reservations may incur a \$25 fee that will be charged by Orchid Event Solutions. A one night's room and tax charge will be charged by the hotel for reservations that are not canceled 72 hours prior to arrival. Penalties for early departures may be enforced and vary by hotel, so call your hotel for details.

ACCOMMODATIONS FOR GUESTS WITH DISABILITIES. If you require special hotel accommodations because of a disability, please indicate your requirements when you make your reservation. Be sure to reconfirm any special room arrangements directly with your hotel.

SUITES. Send your suite requests by e-mail to help@orchideventsolutions.com (Attn.: Katie McLaughlin). Orchid Event Solutions will attempt to find you a suite at an official ACS property that fits your needs.

ECONOMICAL ALTERNATIVE. The following hotels are not part of the official ACS housing block but may be of interest to attendees on a restricted budget. Make your reservations directly with the hotel and ask

for the listed ACS rate. These properties are not included on the ACS shuttle route. Therefore, daily transportation costs are the responsibility of the attendee.

Doubletree Club Boston Bayside, 240 Mount Vernon St.; (617) 822-3600; ACS rate \$141 single/double occupancy

Hostelling International Boston, 19 Stuart St.; (617) 536-9455; bostonhostel.org, promo code: ACS2015

KEEP YOUR MEETING COSTS AFFORDABLE. Attendee support of the official hotels allows ACS to use meeting space at a discount and to keep registration fees to a minimum. Stay in an official hotel whenever possible, and reserve your hotel room through Orchid Event Solutions at www.acs.org/boston2015.

ACS GREENER MEETINGS

THE AMERICAN CHEMICAL SOCIETY Department of Meetings & Expositions Services and the Committee on Meetings & Expositions are committed to greener meetings. For each national meeting, we collaborate with the destination city, convention center, and our hotel and vendor partners to reduce our environmental footprint and raise the bar for industry sustainability practices.

Interested in learning more about how we're leading the way? Go to www.acs.org/greenermeetings to read about our greener meeting initiatives and access our annual Event Sustainability Report.

For our efforts, ACS has been recognized by the Capital Chapter of the Professional Convention Management Association as a sustainable event leader and received the Trade Show Executive's Gold 100 Grand Award for the "Show with the Most Commendable Green Initiatives." Here are a few reasons why: ACS ...

■ Seeks sustainable convention center partners (the past three venues, in Dallas, San Francisco, and Denver, were LEED-certified facilities).

■ Offsets staff event emissions in partnership with American Forests (1,347 trees planted in 2014) and shuttle emissions in partnership with Transportation Management Services (TMS) and Carbonfund.org.

■ Performs on-site walkthroughs for 98% of our hotel room block properties, survey-

Reservation Deadline: July 22, 2015

CONTACT INFORMATION

CEN.ACS.ORG 80 JUNE 22, 2015

ing hotels on more than 40 sustainability practices.

■ Designates Sci-Mix as a “zero waste” event. We achieved nearly 100% diversion for our spring meeting in Denver. Help us keep up the great work in Boston!

Take the ACS Greener Meeting Pledge.

Facilities are only as effective as the people who operate and occupy them. Go to www.acs.org/greenermeetings, and take the Greener Meeting Pledge to do your part by doing the following:

■ Taking advantage of linen reuse initiatives at your hotel, declining delivery of unread newspapers, and turning off the lights when away from your hotel room.

■ Responsibly disposing of recyclable materials (paper, plastic, glass, aluminum) in the convention center and hotels.

■ Using the meeting mobile app and digital program instead of the printed On-site Program.

■ Enjoying the city, burning calories, and reducing your carbon footprint by walking to and from your hotel.

■ When walking isn't an option, using the ACS carbon-offset shuttle service.

■ Bringing a reusable water bottle to avoid the cost and waste associated with disposable, petroleum-based plastic water bottles.

Suggestions? Send them to the ACS Committee on Meetings & Expositions at nationalmeetings@acs.org.

TRAVEL & TRANSPORTATION

TRANSPORTATION DISCOUNTS. ACS has negotiated special travel discounts with the following partners. To get the best rates and avoid service fees, it is recommended to make reservations online (except Amtrak).

AIRLINES:

Delta

delta.com; (800) 328-1111
Discount codes: NMK2Y,
NMJTX (international)

Southwest Airlines

swabiz.com
Discount code: 99331750 (effective July 1, for online reservations only)

United Airlines

united.com; (800) 426-1122
Discount code: ZT6F413843

Amtrak

amtrak.com; (800) 872-7245
Discount code: Xo2V-918 (for phone reservations only)

RENTAL CARS:

Advantage Rent A Car

advantage.com; (800) 777-5500
Discount code: CD02C826E8

Avis

avis.com; (800) 331-1600
Discount code: B923099

Hertz

hertz.com; (800) 654-2240
Discount code: CV#02UZ0014

AIRPORT GROUND TRANSPORTATION

Boston's convention centers are close to major transportation systems and feature the fastest airport-to-convention center times in the country.

Round-trip shuttle from Back Bay to Logan Airport. Shuttle service runs every 20 minutes and picks up passengers from Logan International Airport. The cost is \$5.00 one way, credit or debit card only (or free with valid MBTA pass). See more at <http://goo.gl/cJy1Ht>.

Taxis. Taxi service is available from Logan International Airport to downtown. Approximate fare to a downtown destination is about \$25–\$45. Average time is about 15–20 minutes. Fares are based on current MBTA fare prices. Price and time estimations are based on online quotes for one-way, single-rider fares in taxis. Cost estimations for taxis do not include gratuity or tolls. Travel times are estimated for all modes based on common conditions.

SuperShuttle. ACS has established a 10% discount for attendees of our meeting. Take advantage of these savings by going to www.supershuttle.com or www.execucar.com and entering the discount code 94D3G in the “Group/Discount Code” box on the first page of the website.

TRAVELING TO MEETING VENUES

A list of official ACS properties and hotels is shown on pages 76 and 77.

The Boston Convention & Exhibition Center (BCEC) is located at 415 Summer St., Boston, MA 02210.

ACS Shuttle. Complimentary shuttle service will be provided between the Boston Convention & Exhibition Center and official ACS hotels, with the exception of hotels within walking distance.

Parking. Valet parking is available during most events for \$25. From Summer Street,

turn onto East Side Drive and the valet area will be immediately on your right. Cash and all major credit cards are accepted.

South Parking Lot. (\$15, \$30 for oversized vehicles) From Summer Street, turn onto East Side Drive, drive past the valet area, and continue straight along the side of the building. At the end of the building, make a right and go down the ramp. At the bottom of the ramp, turn left and you will see the entrance to the South Parking Lot in front of you.

Alternate Parking. In the event that on-site parking has reached capacity, additional parking may be available at either the Boston Marine Industrial Park (BMIP) or lots on the Waterfront. All alternate parking lots are on a first-come, first-served basis and are within walking distance of the BCEC.

ACS MEMBER SERVICES

ACS MEMBER SERVICES. ACS staff can assist you on-site with joining ACS, renewing memberships, completing adjustments to member records, and answering general membership questions. ACS members receive discounted rates when registering for the meeting.

ACS Member Services is located in the North Lobby, near attendee registration in the Boston Convention & Exhibition Center and is open Saturday, Aug. 15, 3 to 6 PM; Sunday, Aug. 16, 7:30 AM to 7:30 PM; Monday, Aug. 17, 7:30 AM to 9 PM; Tuesday, Aug. 18, 7:30 AM to 5 PM; Wednesday, Aug. 19, 7:30 AM to 4 PM; and Thursday, Aug. 20, 7:30 AM to 1 PM.

ONLINE SOCIAL NETWORKING TOOLS.

Start discussions and connect with other attendees at the ACS Network and the ACS Facebook page. Follow ACS national meetings on Twitter. Read, comment on, and share C&EN's coverage of ACS meetings.

ATTENDEE NATIONAL MEETING

E-NEWSLETTER. Receive official updates on ACS national meetings, including locations, registration and accommodation dates, information and discounts, resources, and event details. You can sign up and manage your subscriptions with your free ACS ID. Subscribe at www.emailpref.acs.org.

BUSINESS CENTER. The FedEx Office Print & Ship Center in the Boston Convention & Exhibition Center offers you nearly everything you need to meet your

convention and exhibiting needs, including packing and shipping, signage, copying, and last-minute office supplies. Located on Concourse Level 1 near Exhibit Hall A, the business center will be open to attendees Monday through Sunday, 9 AM to 5 PM.

MEMBER INSURANCE PROGRAM. Exposition Booth No. 625. The ACS Member Insurance Program is committed to offering quality comprehensive insurance plans and financial security programs to members and their families. Stop by the Member Insurance Station to learn about Life & Health Insurance, International Term Life, Auto & Homeowners Plus, Disability Income, Long-Term Care, Medicare Supplement, Medical Discount Cards, Pet Insurance, Professional Liability, and more. Also learn about our newest offering: Educators' Legal Liability. Stop by the booth to learn more about this policy designed exclusively for ACS academic chemists. The ACS Member Insurance Program offers coverage and policies for every stage of life, from being a student in college, to raising a family, to enjoying retired life—and everything in between! To learn more about the plans available to you, visit www.acs.org/insurance.

ON-SITE MEETING ARRANGEMENTS

ADA-COMPLIANT MEETING. The Boston Convention & Exhibition Center (BCEC) provides service ramps to entrances and elevated areas, braille instructions and directions throughout the building, and pay phones on each level of the facility with (TDD) hearing-impaired functions. More information is available at www.massconvention.com.

ACS is dedicated to ensuring that no individual with a disability is excluded, denied services, segregated, or otherwise treated differently because of the absence of auxiliary aids and services identified in the Americans with Disabilities Act. If you require special accommodations to participate in the meeting, communicate your needs to ACS Meeting Services by e-mail: nationalmeetings@acs.org; fax: (202) 872-6128; or phone: (202) 872-6111 by June 29 to allow enough time to fulfill your request. Keep in mind that ACS may not be able to accommodate last-minute requests.

If you have an emergency or need immediate assistance during the meeting, contact any ACS Operations Office.

ASSISTANCE. Our greeters will be positioned throughout the meeting and can help you navigate the On-site Program, find a particular session or room, and answer questions. Lost-and-found items at the convention center should be directed to the ACS Operations Office located in Room 151A. Messages left at the ACS Operations Office will be conveyed to attendees via the Meeting Mail system, but ACS cannot accept responsibility for the delivery of any messages, mail, or packages.

ATTENDEE BADGES. Attendees and guests must be registered and display their badges at all times to be admitted to all official ACS sessions and events.

ATTENDEE MESSAGING/MEETING MAIL. After registering for the meeting, you will be assigned a temporary electronic mailbox to exchange personal messages with other registered attendees via Meeting Mail. Meeting Mail will be available before, during, and after the meeting at www.acs.org/boston2015. Use the Meeting Mail terminals located in the BCEC. Telephone messages left at the ACS Information Booths will be conveyed to attendees via the electronic message center, but the society cannot accept responsibility for the delivery of any messages. No one will be paged in meeting rooms.

AUDIOTAPING, PHOTOGRAPHY & VIDEOTAPING. The use of any device to capture images (e.g., cameras and camera phones) or sound (e.g., tape and digital rebroadcast) of speakers or presentations is strictly prohibited at all ACS meetings and events without express written consent from ACS.

CHILD CARE. Camp ACS will be available to all meeting attendees free of charge from 7 AM to 6 PM on Sunday, Aug. 16, through Thursday, Aug. 20. At Camp ACS, children two (and potty-trained) to 16 years of age can participate in age-appropriate activities, including arts and crafts and active games, while you enjoy the meeting. To ensure your child's participation, register online by Aug. 10 at www.acs.org/boston2015. For your child's safety, the location of Camp ACS will not be communicated until your registration is confirmed. On-site registration will be accepted on a space-available basis.

ELECTRONIC DEVICES. As a courtesy to other meeting attendees, electronic devices

must be operated in silent/vibrate mode within technical or educational sessions. Cell phone conversations are not permitted in meeting rooms.

EMERGENCIES DURING ACS MEETING EVENTS. ACS will place detailed instructions inside each meeting room to be used if an emergency occurs during an ACS meeting event. These instructions will revolve around following the established emergency guidelines of the facility where the emergency occurs. Report emergencies to the nearest security guard or to any ACS Operations Office during the meeting. Should a catastrophic event occur, attendees should follow safety and security instructions issued by the facility where they are located at the time of the event.

HOST LOCAL SECTION. ACS gratefully acknowledges the cooperation and assistance of the Northeastern local section and its members in handling local arrangements. Volunteers have planned many interesting activities; the Host Local Section booth will be located in the BCEC, North Lobby.

INTERNATIONAL REGISTRANTS. Many international visitors are required to hold a visa prior to being admitted to the U.S. because of security measures in place at airports and other border crossings. All visa applicants are advised to apply for their visa in their home country as soon as possible. Detailed information for international attendees can be found at www.acs.org/boston2015.

INTERNET & COMPUTER SERVICES. Use our electronic communication services before, during, and after the meeting. Once you get to the meeting, you can access your e-mail and the Internet as well as your personal Meeting Mail mailbox from Meeting Mail terminals, which will be located throughout the BCEC.

LITERATURE & PRODUCT DISTRIBUTION. Promotions, posters, and literature distribution by attendees, exhibitors, or other groups during the meeting must be done within their own contracted meeting space or exhibit booth and not in public meeting space, with the exception of designated marketing opportunities. No one is authorized to place any promotional items in public meeting space except the ACS Operations Office at a given location. Items left in violation of this policy will be removed and

discarded. Literature distribution at specific division tables is under the control of that division, and permission must be secured from the division before placing any items on their table.

LUGGAGE & COAT CHECK. A luggage and coat check station will be available during registration hours from Sunday through Thursday at the BCEC, North Lobby area. Items left beyond published hours of operation will be turned over to building security at the end of each day.

MEETING OFFICES. The following ACS offices will be located in the BCEC:

Attendee Registration: North Lobby
Career Fair: Hall B2

Exhibitor Registration: North Lobby
Exposition: Halls A & B1

Finance Office: Westin Boston Waterfront

Host Local Section Center: North Lobby

Member Services: North Lobby

Press Center: 153B

Shuttle Desk: East Side Drive

The following offices are located at the identified properties:

Operations Offices: BCEC, Boston Marriott Copley Place, Boston Park Plaza Hotel & Towers, Renaissance Boston Waterfront, Seaport Hotel, Sheraton Boston Hotel, Westin Boston Waterfront, Westin Copley Place.

Governance Office: Sheraton Boston Hotel
Society Programs: Sheraton Boston Hotel

MOTHERS ROOM. For your convenience and privacy, ACS will provide a room for nursing mothers at the BCEC. Please see the Operations Office, Room 151A, for access to the room.

SMOKING. ACS policy prohibits smoking in all rooms during ACS functions at the convention center and official hotels. Additionally, the convention center and many of the official hotels are designated as smoke-free environments at all times.

SPEAKER INSTRUCTIONS

ALL SPEAKERS and poster presenters must register and pay the appropriate registration fee to attend the meeting. Invited speakers should contact their symposium organizer or division program

TIPS FOR A SAFE STAY IN BOSTON

- Attendees should be aware of their surroundings at all times.
- Don't wear your meeting badge outside the convention center or hotels.
- Don't wear fancy jewelry or carry expensive technology in plain sight.
- Carry your briefcase, tote bag, purse, or laptop carrier close to your body.
- Don't leave valuables in your hotel room. Get a hotel safe deposit box.
- Walk in open and in well-lit areas at night.
- Travel in groups. Don't be a loner, particularly in the evening.
- Use common sense. If someone or someplace looks suspicious, report it and/or avoid it.
- If an emergency occurs during a meeting event, refer to detailed instructions placed by ACS staff inside each meeting room to follow in case of emergencies. Report emergencies to the nearest security guard or to any ACS Operations Office during the meeting.
- If an emergency occurs outside an ACS event, contact police or emergency assistance by dialing 911 or seeking assistance from the facility where the emergency occurs.
- Should a catastrophic event occur while the meeting is under way, follow safety and security instructions issued by the facility where you are located at the time of the event.

chair to clarify terms of their invitation.

All presenters should prepare for their presentation by verifying the following details: the status of your abstract at abstracts.acs.org (using your ACS ID to log in to the system); mode of presentation (oral or poster); and the time, length, and location of your presentation. Speakers should arrive in their presentation rooms at least 30 minutes before their scheduled speaking time. Poster presenters should set up their poster at least one hour before the start of their poster session. If you need to withdraw your presentation, please send a withdrawal notice to maps@acs.org and contact your symposium organizer immediately.

TECHNICAL SESSION EQUIPMENT. Each technical session meeting room will be equipped with the following: LCD projector, screen, podium, podium microphone or lapel microphone, and laser pointer. Speakers need to provide their own laptops or arrange for specialty equipment directly with their symposium organizer and/or division program chair. To request other specialty equipment (at the standard fee), contact

an ACS Operations Office during the meeting.

SPEAKER READY ROOMS & AUDIO-VISUAL SERVICE CENTERS. Presenters may use the speaker ready rooms to preview their presentation, ensure compatibility with our LCD projectors, or fulfill last-minute audiovisual equipment orders. We strongly recommend that all presenters come to the speaker ready room the day before their presentation to check for connectivity and resolution. The hours of operation will be from 3 to 5 PM Saturday and 7 AM to 6 PM Sunday through Thursday. Visit the ACS Operations Office at any ACS property for speaker ready room locations. Speaker ready rooms are not equipped with copy machines. There is a service center located on Concourse Level 1, near Hall A of the Boston Convention & Exhibition Center (BCEC) that provides a range of services including copying, incoming and outgoing faxes, computer access, laser printing, and shipping.

POSTER SESSIONS. All materials must be confined to a 4-foot-high by 8-foot-wide display board in the convention center and 4-foot-high by 6-foot-wide display board in hotels.

Presenters must mount their poster one hour before the scheduled session start time. Poster numbers supplied by ACS will be in the upper corner of each poster board; this number corresponds with the number assigned to each poster in the technical program. Pushpins will be available at the poster session. Presenters must remain with their posters for the duration of their scheduled session as indicated in the technical program. All posters must remain up until the session ends and then must be removed within one hour. ACS

THANK YOU

The society thanks the many volunteers of the Northeastern local section who are contributing to the 250th ACS National Meeting & Exposition by participating as division officers or program chairs, symposium organizers, session or award presiders, oral and poster presenters, short course or workshop instructors, career consultants, and society governance members.

cannot assume responsibility for materials beyond these time limits.

SCI-MIX POSTER SESSION ONLY. Sci-Mix presenters may begin poster setup at 7:15 PM (45 minutes before the session begins). Each presenter may be accompanied by one assistant only, and both people are required to arrive together when entering the hall. After exiting, presenters will not be permitted to reenter the hall until the session begins at 8 PM.

ABSTRACTS & PREPRINTS

ONLINE TECHNICAL PROGRAM. The technical program for the 250th national meeting is now available at www.acs.org/boston2015. You can search by divisions or committees, symposia, speakers, or keywords from abstracts as well as presidential events and the multidisciplinary theme of “Innovation from Discovery to Application.”

ABSTRACTS (USB FLASH DRIVE).

Abstracts of all scientific sessions at the meeting can be purchased in USB flash drive (thumb drive) format through ACS Attendee Registration either online before June 29 or on-site in Boston from Aug. 16 to 20. The ACS member fee is \$65 each; the nonmember fee is \$90 each. Attendees can pick up their abstracts on-site at ACS Attendee Registration at the BCEC. You can have a USB flash drive shipped to you if you place your order before June 29, pay an \$8.00 postage fee per item, and provide a valid street address within the U.S. or Canada. If you are not attending the meeting, you can purchase abstracts only from the ACS Office of Society Services, 1155—16th St., N.W., Washington, DC 20036; (800) 227-5558. Abstract USB flash drives and their shipping costs are nonrefundable.

PREPRINTS/GRAPHICAL ABSTRACTS.

Preprints and graphical abstracts from the following divisions may be ordered directly from each division. You can purchase them via the information below or inquire about these products at the hospitality table for each division near their meeting rooms.

Energy & Fuels.

Visit www.proceedings.com/2256.html

Polymer Chemistry.

Kathy Mitchem, e-mail: kathyl@vt.edu

SPECIAL & EDUCATIONAL EVENTS

PRESIDENTIAL EVENTS

DIANE GROB SCHMIDT, 2015 ACS president, kicks off the national meeting with a National Historic Chemical Landmark designation of “Edwin Land & Instant Photography” at the MIT Museum on Thursday, Aug. 13, at 3:30 PM. Come join the American Chemical Society and Massachusetts Institute of Technology as they recognize the work of Land and the development of instant photography (Polaroid). On Saturday, Aug. 15, Schmidt will also host the ACS Public Outreach Event at the Boston Children’s Museum, from 10 AM to 1 PM for children and their families. There, attendees can experience hands-on, age-appropriate activities showcased under the theme “Exploring Our World through Chemistry.”

Schmidt’s first presidential symposium, “National Science Foundation’s Centers for Chemical Innovation,” spans all day on Sunday, Aug. 16. Speakers include the heads of all eight Chemical Innovation Centers followed by a poster session and reception. Starting in the afternoon on Sunday and running through Monday morning is the symposium titled “21st-Century Education: Formal & Informal.” Also on Sunday, join your colleagues at the symposium honoring “Edwin Land & Instant Photography” sponsored by the HIST Division. This symposium is a follow-on event to the National Historic Chemical Landmark event preceding it on Thursday.

Want to catch a sneak peek of the new show on PBS about chemistry? Please make time on Sunday afternoon to catch a special preview of the upcoming “Mystery of Matter” program exclusive to national meeting attendees.

On Monday, Aug. 17, ACS will celebrate the 20-year anniversary of the establishment of the ACS Scholars Program with a special symposium of past scholars throughout both industry and academia. On Tuesday, an all-day symposium will cover “Transforming University-Industry Partnerships for an Innovative Future.” Speakers from both academia and corporations will highlight the role of better university-industry partnerships in driving

innovation that will lead to a more competitive nation. Finally, the ACS Divisions of HIST, POLY, PROF, and SCHB are all hosting various symposia in honor of the 100th birthday of chemistry pioneer Henry A. Hill. Details of these presidential events and other recommended symposia can be found at www.acs.org/boston2015 and in the on-site program.

STUDENT & TEACHER ACTIVITIES

EDUCATION-FOCUSED programs and specialty activities are being held for undergraduate students, graduate students, high school teachers, and chemical professionals. Explore these opportunities in-depth at www.acs.org/boston2015.

UNDERGRADUATE PROGRAM. A vibrant program designed especially for undergraduate students has been planned by the Society Committee on Education’s Undergraduate Programs Advisory Board. This educational and career-oriented program includes technical symposia and workshops on essential skills for employment in chemistry and success in graduate school. Eminent scientist John C. Warner, president and chief technology officer, Warner Babcock Institute for Green Chemistry, will present “What’s in Your Chemical Toolbox?”

SUNDAY, AUG. 16

Undergraduate Hospitality Center, 8 AM to 5 PM

Undergraduate Research Oral Session, 8:30 AM to 5 PM

Careers in Chemical Information & Cheminformatics Panel Discussion & Brunch (cosponsored by CINF), 9 to 11 AM

Graduate School Reality Check, Step I: Getting In (cosponsored by YCC), 11 AM to 12:15 PM

Graduate School Reality Check, Step II: You’re In—Now What? (cosponsored by YCC), 12:15 to 1:30 PM

Networking Social with Graduate School Recruiters, 2 to 5 PM

International & Domestic Chapters Panel Discussions, 4 to 5:30 PM

MONDAY, AUG. 17

Undergraduate Hospitality Center, 8 AM to 5 PM

Undergraduate Research Oral Session, 8:30 AM to 5 PM

Networking Basics for Students (cosponsored by CEPA), 9:45 to 11:15 AM

Eminent Scientist Lecture & Luncheon with John C. Warner, president & CTO, Warner Babcock Institute for Green Chemistry (cosponsored by ENVR and ENFL), noon to 1:30 PM

Undergraduate Research Poster Session (cosponsored by CHED, AGFD, ENVR, INOR, MEDI, PHYS, POLY, GEOC, and BIOT), 2 to 4 PM

Student Speed Networking with Chemistry Professionals (cosponsored by the ACS Senior Chemists Committee and ACS Corporation Associates), 4 to 5:30 PM

GRADUATE & POSTDOCTORAL SCHOLARS OFFICE. The Graduate & Postdoctoral Scholars Office with support from the Graduate Education Advisory Board provides and promotes programs and resources for graduate students and postdoctoral scholars.

MONDAY, AUG. 17

Student Speed Networking with Chemistry Professionals, (cosponsored by the ACS Senior Chemists Committee and ACS Corporation Associates), 4 to 5:30 PM

Graduate & Postdoctoral Scholars Reception, 7 to 8:30 PM

Academic Employment Initiative (AEI), 8 to 10 PM

For more information about these events and other ACS programs offered to graduate students and postdocs, visit www.acs.org/grad or contact the ACS Graduate & Postdoctoral Scholars Office at (800) 227-5558 ext. 4588.

HIGH SCHOOL TEACHERS PROGRAM.

The Division of Chemical Education and the ACS Education Division are sponsoring the High School Teachers Program. It will include presentations on current pedagogies, resources, and activities that align with the meeting's theme, "Innovation from Discovery to Application." The High School/College Interface Luncheon will bring together educators from all grade levels with the goal of facilitating an exchange of ideas and networking among teachers.

High school teachers can register for the program directly through Attendee Registration; the special registration fee includes course materials, lunch, access to the full ACS meeting (Sunday through Thursday), and entry to the exposition (Sunday to Tuesday). Attendees can track professional development (based on clock hours) for sessions attended at the ACS national meeting. Upon completion and submission of ACS forms, participants will be mailed a certificate documenting their participation in the conference.

SUNDAY, AUG. 16

High School Teachers Program, 8:30 AM to 6 PM

For more information, contact the Office of High School Chemistry at education@acs.org or call (800) 227-5558 ext. 2105.

WORKSHOPS

THE FOLLOWING workshops require a separate registration process and/or entry fee to participate in the event, as indicated in this listing. Participation is open to all interested registrants.

Division of Chemical Health & Safety (CHAS)-sponsored workshop fees (unless otherwise indicated). CHAS member: full registration \$375/early registration \$300; non-CHAS member: full registration \$425/early registration \$350. Early registration ends June 26. K-12 science teachers who are American Association of Chemistry Teacher members: \$99. Need-based scholarships are available for K-12 science teachers; contact scholarships@labsafetyinstitute.org.

Registration is required for all CHAS workshops. Register online at <https://goo.gl/W5vg7Y>.

Laboratory Safety. Friday, Aug. 14, 8 AM

to 4:30 PM. BCEC. Sponsored by CHAS. Presenters: James Kaufman and/or Jack Breazeale. This presentation on laboratory safety by the Laboratory Safety Institute has been attended by thousands of safety professionals. With experience in both industrial and academic laboratories, the presenters take a real-world approach to safety issues in the laboratory. Interactive demonstrations will teach you about issues such as creative wiring in the lab and how to work with administrators to keep a safe working environment. This workshop will provide a forum to speak openly about safety in your workplace.

Laboratory Waste Management. Friday, Aug. 14, 8 AM to 4:30 PM. BCEC. Sponsored by CHAS. Presenter: Russ Phifer. This comprehensive course will identify the various regulatory requirements that apply to laboratories that generate hazardous waste, as well as provide insight to the options for on-site management and off-site disposal. The instructor will include discussion of recycling/reclamation techniques, economical handling of waste, and liability issues.

Chemical Reactivity Hazards: Laboratory-Scale Recognition & Control. Saturday, Aug. 15, 8 AM to 4:30 PM. BCEC. Sponsored by CHAS. Presenter: Neal Langerman. The Process Safety Alliance, in cooperation with the Occupational Safety & Health Administration, is presenting this workshop. The objective is to provide participants with the knowledge and skill to screen processes for potential hazards, to recognize when reactive hazards are present, and to implement appropriate controls to reduce the risk of an incident associated with the hazards. Workshop attendees will review case studies of actual incidents and do screening examples to understand the screening and recognition process. Group discussions of control methods will allow participants to share their experiences and to evaluate methods for controlling reactivity risks.

How To Be a More Effective Chemical Hygiene Officer. Saturday, Aug. 15, 8 AM to 4:30 PM. BCEC. Sponsored by CHAS. Presenter: Russ Phifer. Take a close look at the Chemical Hygiene Officer (CHO) position, and prepare at the same time for the CHO Certification exam, which will be held on Sunday, Aug. 16, through the National Registry of Certified Chemists. The instructors

provide a different slant to safety issues in the laboratory, focusing on what you do and how you can do it better. The course covers all of the content areas of the certification exam, including a sample test in the same format as the real one.

Job Hazard Analysis. Saturday, Aug. 15, 8 AM to 4:30 PM. BCEC. Sponsored by CHAS. Presenter: Sammuella Sigmann. The Job Hazard Analysis (JHA) is one method to consider hazards associated with lab research and guide the control of those hazards. A JHA can assist the researcher in uncovering potential hazards in synthesis, instrumental studies, physical manipulations, and more. Identified hazards can then be mitigated or eliminated. In this workshop, participants will learn the basic principles, required elements, and format of the common JHA. Each participant will create a ready-to-use JHA based on a task specifically applicable to their laboratory. Attendees should come with a specific idea of a chemical or process they would like to investigate.

Career Launch & Acceleration for Postdoctoral Associates. Saturday, Aug. 15, 8 AM to 4 PM. Renaissance Boston Waterfront. Sponsored by COACH. Learn how to assimilate fundamentals of responsible negotiation and communication skills. Attendees will examine the Best Alternative to a Negotiated Agreement (BANTA) concept as a tool to prepare and build confidence, as well as communication styles that are effective for women, projecting confidence, and using powerful rather than weak words. Discussions will focus on making the best impression in the job interview process, succeeding in the negotiating stage, and securing an academic appointment that will position you for career success. This workshop will be held concurrently with the COACH-the-COACHes workshop. Preregister at <http://coach.uoregon.edu>. Registration is free; travel assistance is available. For more information, contact Priscilla Lewis: coach@uoregon.edu, phone: (541) 346-0116.

COACH-the-COACHes. Saturday, Aug. 15, 8 AM to 4 PM. Renaissance Boston Waterfront. Sponsored by COACH. This workshop is designed for women faculty who are interested in being trained to offer COACH workshops to graduate students and postdoctoral associates and who have attended COACH workshops in the past. COACH-the-

COACHes is being offered in conjunction with the "Career Launch & Acceleration for Postdoctoral Associates" workshop. This session will be a refresher of the negotiation and communication skills taught in faculty COACH workshops and also cover interview techniques, CV and website building, and effective scientific presentations. The workshop will also provide attendees an opportunity to work directly with the postdoctoral associates to practice skills in interviewing and negotiation. Participants must attend the full day of activities. The traditional COACH reception will follow the day's activities. Space is limited with priority given to early applicants and applicant qualifications. Apply at <http://coach.uoregon.edu>. For more information, contact Priscilla Lewis: coach@uoregon.edu, phone: (541) 346-0116.

Basics of Entrepreneurship & Commercialization of Research. Saturday, Aug. 15, 8:30 AM to 5 PM. Renaissance Boston Waterfront. Sponsored by COACH. Commercialization of research involves taking articles, documentation, know-how, patents, and copyrights created during research activities and getting them to the marketplace for financial and societal gain. This workshop will provide an overview of the basic pathways to commercialization, why an entrepreneur needs a minimum viable product (MVP), and the steps involved in customer and market validation. An overview of intellectual property options, legal issues associated with emerging ventures, team building, and creating and funding companies will be offered. Participants will also have the opportunity to examine their own entrepreneurial mind-set and create a customized plan for developing their entrepreneurial capabilities.

CHAS NRCC CERTIFICATION EXAMS

WHAT: Certification exams of the National Registry of Certified Chemists

WHEN: Sunday, Aug. 16, 8 AM to noon

WHERE: Seaport Hotel

HOW: Advance registration and completion (with approval) of application must be done before July 31. Applications may be downloaded from www.nrcc6.org.

For additional information, contact Russ Phifer by e-mail at rphifer@nrcc6.org.

ACS PHYS Workshop for Undergraduate Students. Sunday, Aug. 16, 8:30 AM to 12:30 PM. BCEC. This workshop will introduce students to the excitement of modern physical chemistry. PHYS symposium organizers or their designees will present 30-minute overview lectures providing technical and background context that will enable students to benefit from their attendance at subsequent physical chemistry symposia. This workshop is free and open to the public; no registration is necessary. Graduate-school-bound students are particularly encouraged to attend.

Wikipedia Edit-A-Thon. Wednesday, Aug. 19, 1:30 to 5:30 PM. BCEC. Sponsored by the ACS Office of Public Affairs, Division of Chemical Information, and Committee on Public Relations & Communications. Join us for a Wikipedia training and editing session to improve coverage of notable chemists and chemistry topics on Wikipedia. All are welcome to participate, newcomer and veteran alike. Attendees may come and go, but instruction will be provided during the first hour. Bring a laptop. Advance registration required. Contact Keith Lindblom in the ACS Office of Public Affairs at k_lindblom@acs.org or (202) 872-6214.



ACS CAREER NAVIGATOR

ACS CAREER NAVIGATOR is your home for career services, leadership development, in-person and online professional education, and market intelligence resources. We offer comprehensive and easily identified tools that allow you to achieve your career goals by landing a new job, finding a new career path, or comparing your salary and viewing current trends in the field to make more informed decisions.

Opportunities abound at the ACS national meeting in Boston to take advantage of the resources and tools the ACS Career Navigator offers to help you succeed in the global scientific enterprise. Are you ready to get started? Refresh skills and branch into new areas of emerging science and advanced applications with a short course or with an ACS Leadership Development System course that gives you skills that can be immediately applied in school or on the job. If you are an ACS member, stop by the ACS Career Fair in the convention center and speak to a personal career consultant. In short, whatever your career goals, the ACS Career Navigator is here to help you achieve and exceed them. We'll see you in Boston.

ACS CAREER FAIR

JOB SEEKERS, are you looking to jump-start your job search or enhance your professional development?

EMPLOYERS, are you looking to hire scientists and engineers? Then you need to attend the ACS Career Fair, open Sunday, Aug. 16, 9 AM to 4:30 PM; Monday, Aug. 17, 9 AM to 5 PM; and Tuesday, Aug. 18, 8 AM to 5 PM. The career fair is the place where the best talent and the best employers in chemistry meet.

ON-SITE ACTIVITIES FOR JOB SEEKERS

Let the ACS Career Fair help you reach your career goals. ACS will help you prepare for your next career move by providing resources that make it possible to map out your personal job search strategy, strengthen your résumé, and build your interview skills, all with the support of career consultants. During the career fair, participants can take full advantage of the following:

- Networking opportunities
- Résumé reviews
- One-on-one career consulting
- Interview practice and skills building
- More than 30 career-related workshops
- Keynote speakers presented live and via webcast
- Request live on-site interviews

On-site job seekers must be ACS members, be registered for the national meeting, and complete career fair registration at www.acs.org/careers (pick up a career fair registration badge in the convention center beginning Sunday, Aug. 16).

Please note: We cannot guarantee that you will secure interviews at the ACS Career Fair. Interviewing is strictly contingent on the availability of positions and the credentials and qualifications that employers are seeking.

ONE-ON-ONE CAREER CONSULTING.

Individual 30-minute appointments with career consultants are available both on-site and online. These consults can help you strengthen your résumé, improve your interviewing skills, and design a job search or comprehensive professional growth strategy. Please bring a copy of your résumé or CV to all appointments. All one-on-one on-site career consulting sessions will take place in the Résumé Review/Mock Interview area. Sign-up begins at 9 AM on Sunday, Aug. 16, on a first-come, first-served basis.

CAREER AND PROFESSIONAL DEVELOPMENT WORKSHOPS. More than 20 career-related workshops will help you with everything from your résumé to optimizing job performance to how to ace an interview. Workshop times are subject to change. Please consult the online workshop schedule at www.acs.org/careerfair for locations.

SUNDAY, AUG. 16

New Technologies To Find Jobs & Manage Your Career, 10 to 11:30 AM
Soup to Nuts of Entrepreneurship, noon to 1:30 PM
Foreign-National Scientist: Obtaining a Job in the U.S., 1:30 to 3 PM
Acing the Interview, 1:30 to 5:30 PM
Finding Your Path, 1:30 to 5:30 PM
Working in Industry, 1:30 to 5:30 PM
Working in Government, 1:30 to 5:30 PM
Writing Excellent Proposals, 3:30 to 5 PM

MONDAY, AUG. 17

Working in Government, 8:30 AM to 12:30 PM
Working in Higher Education, 8:30 AM to 12:30 PM
Working for Yourself, 8:30 AM to 12:30 PM
Acing the Interview, 1:30 to 5:30 PM
Finding Your Path, 1:30 to 5:30 PM
Working in Industry, 1:30 to 5:30 PM

TUESDAY, AUG. 18

Acing the Interview, 8:30 AM to 12:30 PM
Finding Your Path, 8:30 AM to 12:30 PM
Working in Industry, 8:30 AM to 12:30 PM
Working in Government, 1:30 to 5:30 PM
Working in Higher Education, 1:30 to 5:30 PM
Working for Yourself, 1:30 to 5:30 PM

WEDNESDAY, AUG. 19

Acing the Interview, 8:30 AM to 12:30 PM
Finding Your Path, 8:30 AM to 12:30 PM
Working in Industry, 8:30 AM to 12:30 PM

EMPLOYERS—FIND THE TALENT YOU NEED AT THE ACS CAREER FAIR.

Leading employers around the world trust and depend on ACS to provide them with the talent they need to innovate and excel. At our last event, approximately 1,000 global job seekers—from recent grads to seasoned professionals—met with recruiters seeking to fill positions in all facets of chemistry, pharmaceuticals, and biotechnology.

The ACS Careers Jobs Database can help manage your employer account, post jobs, search for qualified candidates, and schedule career fair interviews. Moreover, participating in the ACS Career Fair enables you to accomplish the following:

- Connect with top talent via on-site interviews.
- Screen candidates and make appointments in advance.
- Find the personnel your company needs to thrive, from entry- to executive-level positions.
- Meet qualified candidates informally via networking forums.
- Extend your presence for 30 days after the career fair via the ACS jobs database.

LOOKING FOR A MORE TRADITIONAL CAREER FAIR EXPERIENCE?

Employers can purchase booth space inside the exposition hall, enabling your company to maximize its ability to showcase products and services and connect with job seekers. Employers can sign up for the ACS Career Fair Recruiters Row package online at www.acs.org/careers.

Employers will receive an e-mail confirmation and must visit the ACS Career Fair Information Booth to pick up their blue badge. For more information, please

visit www.acs.org/careerfair. You can also contact Garretta Rollins at (800) 227-5558 ext. 6209 (U.S./Canada only), (202) 872-6209 (international), or e-mail g_rollins@acs.org.

ACS PROFESSIONAL EDUCATION SHORT COURSES

THE FOLLOWING short courses, specifically designed to improve the skills and marketability of chemical scientists and technicians, are offered in conjunction with the national meeting. ACS member, early registration, and group discount rates are available. A course fee and registration separate from the national meeting are required. For more information on ACS Short Courses in Boston, to obtain pricing details, or to view a full course catalog, visit www.proed.acs.org/boston. If you have questions, call (202) 872-4508, fax (202) 872-6336, or e-mail proed@acs.org.

ANALYTICAL

Generation & Interpretation of Forensic Data, Aug. 14
Saving Time & Money with 2-D Liquid Chromatography, Aug. 14
Workflow Efficiencies: 2-D Liquid Chromatography & Novel Sample Preparation Techniques, Aug. 14
1-D & 2-D NMR Spectroscopy: Structure Determination of Small-Molecule Organic Compounds, Aug. 14–15

BIOLOGICAL/PHARMACEUTICAL/MEDICINAL CHEMISTRY

Application of Pharmacokinetics & Safety Pharmacology for Chemists in Drug Development, Aug. 14–15
Druglike Properties: Optimizing Pharmacokinetics & Safety in Drug Discovery, Aug. 14–15
Essentials of Medicinal Chemistry & Pharmacology, Aug. 14–15

COMPUTERS/STATISTICS/ENGINEERING

Statistical Analysis of Laboratory Data, Aug. 14–16

ORGANIC/PHYSICAL CHEMISTRY

1-D & 2-D NMR Spectroscopy: Structure Determination of Small-Molecule Organic Compounds, Aug. 14–15
Dispersions in Liquids: Suspensions, Emulsions & Foams, Aug. 14–15

Mastering the Art of Writing Reasonable Organic Reaction Mechanisms

Aug. 14–15

Organic Synthesis: Methods & Strategies for the 21st-Century Chemist

Aug. 14–15

POLYMER CHEMISTRY

Polymeric Coatings, Aug. 14–15

Polymer Science & Technology, Aug. 14–15

PROFESSIONAL DEVELOPMENT

Effective Technical Writing, Aug. 14–15

Mastering the Art of Writing Reasonable Organic Reaction Mechanisms

Aug. 14–15

Project Management for Technical Professionals, Aug. 14–15

Write Your Own Patent Applications, Aug. 16

REGULATORY/ENVIRONMENTAL

Generation & Interpretation of Forensic Data, Aug. 14

Saving Time & Money with 2-D Liquid Chromatography, Aug. 14

Workflow Efficiencies: 2-D Liquid Chromatography & Novel Sample Preparation Techniques, Aug. 14

Intellectual Property Strategies for Technical Professionals, Aug. 16

Write Your Own Patent Applications, Aug. 16

2015 ACS LEADERSHIP DEVELOPMENT SYSTEM COURSE OFFERINGS

WHETHER YOU are a manager, experienced professional, or new to the workforce, we invite you to attend an ACS Leadership Development System course held at the ACS national meeting. The following four-hour facilitated courses require a fee of \$150 each for ACS members and \$300 each for nonmembers. Register for these courses when you register for the meeting. For more information and full course descriptions, visit www.acs.org/leadership development.

Fostering Innovation. Sunday, Aug. 16, 1 to 5 PM. Keeping pace in an environment of constant change requires innovation. Whether you are part of a nonprofit, business, or academic environment, the ability to contribute to the creation of new ideas,

new processes, and new approaches is a key to success. Coming up with new ideas is challenging, and few of us have the tools and skills to do this effectively. This course will teach a proven, systematic process to generate ideas. You will learn your innovation style and how to stimulate innovative thinking among team members and colleagues.

Strategic Planning. Monday, Aug. 17, 8 AM to noon. Gain understanding of the structure and contents of a strategic plan as well as the impact that strategy has on your work and an organization's success. You will learn how to become a "partner in planning" with other leaders as you develop a plan for your unit that aligns with the executive-level strategic goals.

Leading Without Authority. Tuesday, Aug. 18, 8 AM to noon. Leading volunteers comes with many challenges, including having no direct authority over the members. Leaders need to be able to engage and influence members to get things done, even when they may put up barriers or have different viewpoints. Learn practical tools to help you gain cooperation without formal authority and motivate your colleagues or volunteers.

Collaborating Across Boundaries. Tuesday, Aug. 18, 1 to 5 PM. Do you work with people from other departments or from other countries? As the world becomes more complex, the ability to reach across boundaries to work on projects and share information is critical to organizational success. It's not just a matter of communication but of genuine collaboration—working in partnership to achieve common goals, create innovative solutions, and share expertise. Learn strategies and tools to be more effective in leading collaborative efforts, and gain practical skills that you can apply immediately in the lab, at school, in the office, or at ACS.

EXPOSITION

SEE WHAT'S NEW INSIDE THE EXPOSITION

Visit the ACS National Exposition at the Boston Convention & Exhibition Center (BCEC), Halls A & B1, from Sunday, Aug. 16, through Tuesday, Aug. 18. The show hours will be Sunday, 6 to 8:30 PM, and Monday and Tuesday, 9 AM to 5 PM.

Companies will showcase services,

instruments, books, computer hardware, scientific software, and an array of chromatographic, lab, and safety equipment. Technical personnel will be available to give demonstrations, answer questions, and discuss your specific needs and interests. You can also visit the ACS Career Fair Recruiters Row inside the exposition where employers will showcase their products and services. Also, join us at the ACS Booth in the middle of the exposition floor where ACS staff units will present the many benefits, services, products, and merchandise offered by ACS.

Online Exposition. The Online Exposition is a component within the Exhibitor Directory that enables attendees to view videos, press releases, brochures, and flyers of participating exhibitors. Access the Online Exposition at www.acs.org/boston2015 to learn more about exhibiting companies and to download product information.

Free Exhibitor Workshops. Free workshops will be hosted by exhibitors on the exposition floor and in private rooms inside the BCEC. These workshops will introduce new products and services, build skills with specific tools and techniques, and highlight innovative applications that may improve your productivity. Exhibitor workshop registration is available at www.acs.org/boston2015.

Presentations, Prizes & Special

Events. Visit the Daily Prize Booth, 255, on Sunday through Tuesday for a chance to win a prize. Also, don't forget to join us on Sunday from 6 to 8:30 PM for the 250th Attendee Welcome Celebration in the Town Center. Meet the ACS president-elect candidates inside the exposition on Monday, from 1 to 4 PM.

Internet & Technology. Use free Internet access and leave messages for one another at the Meeting Mail terminals located throughout the meeting. Also, enjoy free Wi-Fi service at the BCEC.

Admission Requirements & Expo-Only Registration. Exposition admission is complimentary for all national meeting registrants; however, you are required to wear your badge. Individuals who want to visit the exhibits without registering for the technical component of the national meeting can obtain an expo-only badge for \$50. Students with school identification can obtain an expo-only badge for \$25. Registration can be handled online, by mail, or in person at ACS Attendee Registration at the BCEC, North Lobby.

GOVERNANCE MEETINGS

For the complete list of committee meetings and agendas, please consult www.acs.org/boston2015 or the on-site program distributed during the meeting.

BOARD & COUNCIL MEETINGS

ACS BOARD OF DIRECTORS. The ACS Board of Directors meeting, open to members who wish to participate, will be held in the Boston Convention & Exhibition Center from noon to 1 PM on Sunday, Aug. 16. The guest speaker will be George Whitesides, the Woodford L. & Ann A. Flowers University Professor at Harvard University.

ACS COUNCIL. The ACS Council meeting will begin at 8 AM, Wednesday, Aug. 19, at the Sheraton Boston Hotel. The meeting will be preceded by a continental breakfast for councilors beginning at 7 AM. Councilors are asked to check in beginning at 7 AM and proceed to the breakfast area, keeping in mind that the meeting starts promptly at 8 AM. Space will be available for ACS members and nonmembers to observe the council in action. We hope that many will take advantage of this opportunity to learn firsthand of the society's operation. Alternate councilors and division and local section officers are particularly urged to attend.

COMMITTEE AGENDA

THE COMMITTEE ON COMMITTEES has clarified three types of committee meetings:

OPEN. May be attended by any ACS member. At these sessions, members are encouraged to voice concerns, issue compliments, offer suggestions, express interest in, or raise questions about matters over which the committee has purview. The assumption is that participation is welcomed and will be orderly and courteous. Only committee members can vote.

EXECUTIVE. Attendance and participation are limited to officially appointed/elected committee members, associates, advisers, consultants, staff liaisons, and

the appointed Committee on Committees liaison. Liaisons from other groups and ex officio and elected councilors may attend; participation by these groups would be at the invitation of the chair. Only committee members can vote.

CLOSED. The committee chair must declare any EXECUTIVE session CLOSED when confidential or sensitive personnel, financial, or legal matters of the society are discussed. At that point, only officially appointed/elected committee members, associates, consultants, staff liaisons, and the appointed Committee on Committees liaison shall remain in the session. Others may stay in the session at the discretion of the chair. Once these discussions have been completed, the committee should return to EXECUTIVE mode.

DURING THE open and executive committee meetings, ACS members are given a chance to express their views on issues under consideration before these issues are acted on by the board or the council, or to bring up other subjects that deserve attention. Members are urged to examine the agenda and make known any opinions or ideas they may have. If you cannot attend the particular sessions involved, write to the officers listed or ask someone attending the session to speak on your behalf. For further information, contact the officers listed.

BUDGET & FINANCE

Kristen M. Omberg, chair; b_feedback@acs.org

Open Meeting
Saturday, Aug. 15, 8 to 10:30 AM
Sheraton Boston

COUNCIL POLICY COMMITTEE

The Council Policy Committee will open the floor during its meeting at 11 AM on Tuesday, Aug. 18, to councilors who would like to raise issues of concern that affect them and/or their local sections or divisions. For further information contact Alan M. Ehrlich, vice chair of CPC, at cpc@acs.org. For more committee meeting details and agendas, please consult the meeting website at www.acs.org/boston2015 or the on-site program distributed during the meeting.

CHEMICAL SAFETY

Elizabeth M. Howson, chair; safety@acs.org

Combined Open Meeting
and Executive Session

Monday, Aug. 17, 8:30 to 11:30 AM
Sheraton Boston

CHEMISTRY & PUBLIC AFFAIRS

Susan B. Butts, chair; sbbuttsdc@gmail.com

Open Meeting
Saturday, Aug. 15, 3 to 4:30 PM
Sheraton Boston

CHEMISTS WITH DISABILITIES

John J. Johnston, chair; USDA-FSIS, Fort Collins, CO 80526-8116

Combined Open Meeting
and Executive Session
Sunday, Aug. 16, 8:30 AM to 4:30 PM
Sheraton Boston

COMMITTEES

Wayne E. Jones Jr., chair; Department of Chemistry, Binghamton University (SUNY), Vestal Pkwy. East, Binghamton, NY 13902-6000

Open Session
Monday, Aug. 17, 1:30 to 2:15 PM
Sheraton Boston

COMMUNITY ACTIVITIES

George L. Heard, chair; University of North Carolina, Asheville; glheard@gmail.com

Open Executive Session
Sunday, Aug. 16, 7:45 AM to noon
Boston Marriott Copley Place

CCA/LSAC Joint Open Meeting
Tuesday, Aug. 18, 2 to 3:30 PM
Sheraton Boston

CONSTITUTION & BYLAWS

James C. Carver, chair, the Carver Law Firm, Baton Rouge, LA; bylaws@acs.org

Open Meeting
Sunday, Aug. 16, 1:15 to 1:45 PM
Sheraton Boston

Executive Session
Sunday, Aug. 16, 9 AM to noon and 1:45 to 4:30 PM
Sheraton Boston

CORPORATION ASSOCIATES

Dawn Mason, chair; P.O. Box 431, Kingsport, TN 37662

Open Meeting
Monday, Aug. 17, 8 AM to noon
Sheraton Boston

COUNCIL POLICY

Alan M. Ehrlich, vice chair; cpc@acs.org

Open Meeting
Tuesday, Aug. 18, 9:30 AM to noon
Sheraton Boston

DIVISIONAL ACTIVITIES

Michael J. Morello, chair; mike.morello@pepsico.com

Open Session
Sunday, Aug. 16, 8 AM to noon
Boston Marriott Copley Place

ECONOMIC & PROFESSIONAL AFFAIRS

Rick Ewing, chair; william.ewing@bms.com

Executive Session
Saturday, Aug. 15, 8 AM to 3:30 PM
Boston Marriott Copley Place

Open Executive Session
Saturday, Aug. 15, 3:30 to 5:30 PM
Boston Marriott Copley Place

EDUCATION

Diane Krone, chair; kroned@alumni.stevens.edu

Open Meeting
Monday, Aug. 17, 3 to 4 PM
Sheraton Boston

Executive Session
Friday, Aug. 14, 1 to 5:30 PM
Sheraton Boston

ENVIRONMENTAL IMPROVEMENT

Laura Pence, chair; lpence@hartford.edu

Open Executive Session
Saturday, Aug. 15, 4 to 6 PM
Sheraton Boston

ETHICS

Keith Vitense, chair; Cameron University, Physical Science Department, 2800 West Gore Blvd., Lawton, OK 73505-6320

Open Executive Session
Sunday, Aug. 16, 9 AM to 4:30 PM
Sheraton Boston

INTERNATIONAL ACTIVITIES

H. N. Cheng, chair; c/o ACS Office of International Activities, 1155—16th St., N.W., Washington, DC 20036

Open Meeting
Saturday, Aug. 15, 1 to 3 PM
Sheraton Boston

LOCAL SECTION ACTIVITIES

Martin Rudd, chair; Department of Chemistry, University of Maine, Orono, ME 04469; martin.rudd@umc.edu

LSAC/CCA Joint Open Meeting
Tuesday, Aug. 18, 2 to 3:30 PM
Boston Marriott Copley Place

Open Executive Session
Sunday, Aug. 16, 8 AM to noon
Boston Marriott Copley Place

MEETINGS & EXPOSITIONS

Will E. Lynch, chair; Department of Chemistry & Physics, Armstrong Atlantic State University, 11935 Abercorn St., Savannah, GA 31419-1997

Open Executive Session
Sunday, Aug. 16, 7 AM to noon
Boston Marriott Copley Place

MEMBERSHIP AFFAIRS

James M. Landis Jr., chair; jim.landis@gt.org

Executive Session
Sunday, Aug. 16, 8 AM to 4 PM
Sheraton Boston

Open Meeting
Monday, Aug. 17, 1 to 2 PM
Sheraton Boston

MINORITY AFFAIRS

Madeleine Jacobs, chair; madeleine.s.jacobs@gmail.com

Closed Executive Session
Sunday, Aug. 16, 8 AM to 12:30 PM
Sheraton Boston

Open Session
Sunday, Aug. 16, 12:30 to 2 PM
Sheraton Boston

NOMENCLATURE, TERMINOLOGY & SYMBOLS

Albert C. Censullo, chair; 1595 Cordova Dr., San Luis Obispo, CA 93405

Open Meeting
Monday, Aug. 17, 2 to 5 PM
Sheraton Boston

NOMINATIONS & ELECTIONS

D. Richard Cobb, chair; nomelect@acs.org

Open Executive Session
Monday, Aug. 17, 11 AM to noon
Sheraton Boston

PATENTS & RELATED MATTERS

Sadiq Shah, chair; sadiq@utpa.edu

Open Meeting
Saturday, Aug. 15, 9 AM to 5 PM
Sheraton Boston

PROFESSIONAL TRAINING

Thomas J. Wenzel, chair; cpt@acs.org

Open Meeting
Sunday, Aug. 16, 4 to 5 PM
Boston Convention & Exhibition Center

PROJECT SEED

Anna G. Cavinato, chair; Department of Chemistry, Eastern Oregon University, One University Blvd., LaGrande, OR 97850-2807

Open Meeting
Sunday, Aug. 16, 8 to 9 AM
Sheraton Boston

Closed Executive Session
Saturday, Aug. 15, 10:30 AM to 5 PM
Sheraton Boston

PUBLIC RELATIONS & COMMUNICATIONS

David S. Gottfried, chair; Institute for Electronics & Nanotechnology, Georgia Tech, dsgottfried@gatech.edu

Open Executive Session
Tuesday, Aug. 18, 8 AM to 1 PM
Sheraton Boston

PUBLICATIONS

Stephanie Brock, chair; Chemistry Department, Wayne State University, 5101 Cass Ave., Detroit, MI 48202-3929

Open Meeting
Friday, Aug. 14, 4:30 to 5 PM
Sheraton Boston

Executive Session
Friday, Aug. 14, 1 to 5 PM (Closed Executive Session until 4:30 PM)
Sheraton Boston

SCIENCE

Katherine Glasgow, chair; Nomacorc LLC, 400 Vintage Park Dr., Zebulon, NC 27597-3803

Open Meeting
Saturday, Aug. 15, 8:30 AM to 4:30 PM
Sheraton Boston

SENIOR CHEMISTS

George Heinze, chair; 30 Bunker Hill Run, East Brunswick, NJ 08816-3317

Open Meeting
Monday, Aug. 17, 8 AM to noon
Sheraton Boston

TECHNICIAN AFFAIRS

Susan S. Marine, chair; CTA@acs.org

Closed Executive Session
Sunday, Aug. 16, 8:30 AM to 2 PM
Sheraton Boston

Open Session
Sunday, Aug. 16, 2 to 2:30 PM
Sheraton Boston

WOMEN CHEMISTS

Amber Charlebois, chair; Fairleigh Dickinson University, Madison, NJ 07940, afcharleb@gmail.com

Executive Session
Saturday, Aug. 15, 8 AM to 5 PM
Sheraton Boston

WCC Open Meeting & Just Cocktails Reception
Tuesday, Aug. 18, 4 to 5 PM
Sheraton Boston

YOUNGER CHEMISTS

Douglas B. Hausner, chair; doug.hausner@gmail.com

Open and Executive Session
Sunday, Aug. 16, 8 AM to noon
Sheraton Boston