

FALL 2015 ACS NATIONAL MEETING

Divisions issue **CALLS FOR PAPERS** for the Aug. 16–20 meeting in Boston

CALLS FOR PAPERS for the fall 2015 ACS national meeting (Aug. 16–20) have been issued. The preliminary program for the meeting in Boston will be published in the June 22 issue of C&EN; the full technical program will be available at www.acs.org/boston2015 on June 22.

ACS's online Meeting Abstracts Programming System (MAPS) is now open for Boston abstracts. Please visit MAPS at maps.acs.org for abstract submission.

The society bylaw governing presentation of papers appears below.

SOCIETY BYLAW GOVERNING PAPERS

Bylaw VI, Sec. 6, governs presentation at society meetings.

a. The term "paper" shall include any scientific presentation that can be reduced to writing.

b. No paper shall be presented at a national, regional, divisional, or other major meeting unless its title and author(s) appear on the program for the meeting. However, the President, with the concur-

rence of either the Chair of the Board of Directors or the Vice-Chair of the Council Policy Committee, may authorize an extraordinary symposium at a national meeting provided that

- (1) the symposium has as its primary focus significant scientific developments too recent for programming deadlines, and
- (2) the request for authorization for such a symposium has been made jointly by a member of the Society and one of the following: the Chair of a relevant Division of the Society, the Chair of the Committee on Divisional Activities, or the Chair of the Committee on Science.

c. No paper by a chemical scientist residing in the United States who is not a member of the Society shall appear on the program of a national, regional, divisional, or other major meeting of the Society unless it be a joint paper with one or more Society members, or unless for a national, regional, or national-divisional meeting the author has been invited to present the paper at a symposium organized by a Division of the Society or by Sections of the Society, and the Chair of such Division or of the host Section has certified to the Executive Di-

rector of the Society prior to publication of the program that presentation by the author of such paper is important to the success of the symposium.

d. Rules corresponding to paragraphs a, b, and c of this section for a cooperative meeting shall be subject to agreement in advance between the organizations concerned but should conform, insofar as possible, to this Bylaw and be subject to approval by the Executive Director of the Society.

e. The Society assumes no responsibility for the statements or opinions expressed by individuals in papers or discussions thereof.

f. The President shall have authority to exclude any paper from a program at any time prior to its scheduled presentation at a meeting of the Society.

Board Regulation VII, No. 3, supplements Bylaw VI, Sec. 6, as follows:

a. Authorship of papers shall be accredited only to individuals and not to companies or laboratories.

b. Therapeutic Papers. It is the policy of the Society to encourage the presentation of chemical papers with pharmacological and physiological aspects but to discourage presentation, by other than qualified clinical investigators, of papers in which clinical interpretations are the principal contribution. Divisions shall adhere to this policy when determining the acceptability of papers for their meeting programs. The Divisions also are urged to exclude from their programs, and especially from any abstracts issued, statements recommending procedures for the treatment of human disease or an-

Deadlines For Abstract Submission For The Boston National Meeting, Aug. 16–20

All dates are preliminary. The final dates approved by the divisions are on the abstract submission site, maps.acs.org.

DIVISION	DATE	DIVISION	DATE	DIVISION	DATE	COMMITTEE	DATE
AGFD	na	CINF	March 13	INOR	March 16	MPPG	na
AGRO	March 16	TOXI	March 16	MEDI	March 30	AEI	March 16
ANYL	March 16	CHAL	March 30	NUCL	March 16	CEI	a
BIOT	a	COLL	March 30	ORGN	March 30	CMA	March 20
BIOL	March 16	COMP	March 30	PHYS	na	COMSCI	na
BMGT	April 1	ENFL	na	POLY	March 30	IAC	na
CARB	March 16	ENVR	March 16	PMSE	March 16	SOCED	na
CATL	March 24	FLUO	March 16	PROF	March 30	WCC	na
CELL	a	GEOC	March 16	RUBB	a	YCC	March 16
CHED	March 30	HIST	March 30	SCHB	March 16		
CHAS	March 16	I&EC	March 16				

a Will not meet in Boston. na = not available at press time.

nouncement of any “cures” not confirmed by competent medical authority. Any author contributing a paper that includes discussion of the treatment of human disease must submit for review, by representatives of the appropriate Division, a complete manuscript in addition to an abstract.

Notes: Submission of papers for presentation at an ACS meeting does not constitute submission for publication in an ACS

journal. Regulations for the acceptance of papers to be presented as part of divisional meetings vary for each division. However, publication of papers in ACS journals is based upon the earliest date of receipt of the complete paper by the appropriate editor.

The council has empowered officers of divisions to request any paper in advance, so that it may be passed upon and an indication made to the author as to whether he

or she is to read the entire paper or to abstract it to allow time for discussion.

Special attention should be given to the misuse of trade names, secret formulas, or secret processes in papers at national meetings of the society.

It is requested that authors avoid the use of trade names in papers presented at ACS meetings. Chairs are responsible for enforcing this policy.

BOSTON, AUG. 16–20

Note: Contact information for program chairs and symposium organizers is indicated only once in each listing.

MULTIDISCIPLINARY PROGRAM PLANNING GROUP

MEETING THEME: INNOVATION FROM DISCOVERY TO APPLICATION

Program Chair: C. R. Wagner, U of Minnesota, College of Pharmacy, Minneapolis, MN 55455, (612) 625-2614, wagne003@umn.edu

Abstract due date unavailable at press time.

AGRICULTURAL & FOOD CHEMISTRY

Program Chair: B. Park, USDA-Agricultural Research Service, 950 College Station Rd., Athens, GA 30605, (706) 546-3396, bosoon.park@ars.usda.gov

Abstract due date unavailable at press time.
AGFD Division Award Symposium. K. Deibler, kdd3@cornell.edu

Bioactive Compounds from Fruits & Vegetables. C. Osorio, cosorior@unal.edu.co; F. Tomas-Bar, fatomas@cebas.csic.es; L. Cisneros-Zevallos, lcisneros@tamu.edu

“Browned Flavors”: Analysis, Formation & Physiology. M. Granvogl, michael.granvogl@tum.de; D. Peterson, dgp@umn.edu; P. Schieberle, peter.schieberle@lrz.tum.de

Challenges in Applied Flavor Sciences. A. Taylor, andy.taylor@effem.com

Chemistry, Composition & Analysis of Dietary Supplements. K. Goodner, kgoodner@synergytaste.com; Y. Kim, ykim@synergytaste.com; M. Sucan, mathias.sucan@gmail.com

Complex Coacervation: Principles & Applications (Cosponsored with COLL). P. Dubin, dubin@chem.umass.edu; S. Perry, perry@engin.umass.edu; S. Mann, s.mann@bristol.ac.uk

Economically Motivated Food Adulteration: Interplay between Detection, Policy & Food Defense. P. Scholl, peter.scholl@fd.hhs.gov; J. Moore, jm@usp.org

Environmental Effect on Plant Volatile Formation & Nonvolatile Composition. A. Rimando, agnes.rimando@ars.usda.gov; M. Qian, michael.qian@oregonstate.edu

Fate of the Anthocyanins in Humans: ADME & Biological Activity. I. Edirisinghe, iedirisi@iit.edu; B. Burton-Freeman, bburton@iit.edu

Food Toxicants Formed during Food Processing & Storage. L. Yu, lyu5@umd.edu; S. Wang, s.wang@tust.edu.cn

General Papers. B. Park
General Posters. B. Park
Kenneth A. Spencer Award Symposium (Cosponsored with AGRO). E. Hellmuth, hellmuth@umkc.edu

Metabolites & Metabolomics of Food Bioactives & Influence of Gut Microbiota: Chemistry & Health Effects. S. Sang, ssang@ncat.edu; F. Shahidi, fshahidi@mun.ca

Modern Perspectives on Oxidation: Flavor Consequences in Foods & Beverages. R. Elias, elias@psu.edu; K. Tandon, kawalj.tandon@cbrands.com

Recovery of Bioactive Compounds from Processing By-Products. L. Howard, lukeh@uark.edu; Y. Kim

Sample Preparation for Nutraceutical & Functional Food Analysis. D. Luthria, dluthria@ars.usda.gov

Young Scientist Award Symposium. C. Brine, brinec11@verizon.net

AGROCHEMICALS

Program Chair: P. Rice, U of Minnesota, USDA-Agricultural Research Service, 1991 Upper Buford Cir., St. Paul, MN 55108, (612) 624-9210, pamelarice@ars.usda.gov

Abstracts due March 16.

Advances in Pesticide Residue Analysis: Innovations That Lead to Novel Applications (Cosponsored with ANYL & ENVR). (Oral & Poster submissions.) M. Saha, manasi.saha@basf.com; K. Lynn, kjlynn@dow.com; L. Riter, lriter@monsanto.com

Agrochemicals: Innovations in Discovery & Process Chemistry. (Oral & Poster submissions.) B. Lorschach, balorschach@dow.com; M. Riener, mriener@dow.com; T. Trullinger, trullinger@dow.com

Antibiotics in Agricultural Ecosystems: Fate, Treatment, Analysis & Ecological Effects (Cosponsored with ANYL & ENVR). (Oral & Poster submissions.) D. Aga, dianaaga@buffalo.edu; J. Wallace, jswallac@buffalo.edu

Biochemical Biopesticides: Discovery & Regulation of New & Potential Products (Cosponsored with BIOL). (Oral & Poster submissions.) S. Duke, sduke@olemiss.edu; A. Gross, adgross@epi.ufl.edu; J. Coats, jcoats@iastate.edu; C. Cantrell, charles.cantrell@ars.usda.gov

Biomonitoring for Pesticide Exposures (Cosponsored with ENVR). (Oral & Poster submissions.) J. Seiber, jseiber@ucdavis.edu; J. Driver, driverjh@comcast.net; S. Hays, shays@summittoxicology.com; R. Krieger, bob.krieger@ucr.edu; J. Pleil, pleil.joachim@epa.gov; J. Sobus, sobus.jon@epa.gov; E. Ulrich, ulrich.elin@epa.gov

Combining Scientific Evidence for Health Policy & Regulation (Cosponsored with TOXI & CHAS). (Oral & Poster submissions.) K. Mundt, kmundt@environcorp.com

Current Advances & Challenges of Arthropod Vector Control. (Oral & Poster submissions.) D. Swale, dswale@gmail.com; L. Jensen, ljensen@vt.edu

Current Topics in Food & Crop Allergens (Cosponsored with ANYL). (Oral & Poster submissions.) J. Eble, julie.eble@criticalpathservices.com; N. Houston, norma.houston@cgr.dupont.com

Current Topics in Seed Treatment (Cosponsored with ANYL & ENVR). (Oral & Poster submissions.) J. Eble, P. Rice, patricia.rice@basf.com

Data to Decisions: Software Solutions for Modern Analytical Workflows (Cosponsored with ANYL & ENVR). (Oral & Poster submissions.) L. Riter, L. Buchholz, lmbuchholz@dow.com

Degradation of Halogenated Compounds in the Environment (Cosponsored with ENVR). (Oral & Poster submissions.) K. Myung, kmryung@dow.com; K. Lee, klee2@dow.com; N. Satchivi, nmsatchivi@dow.com; M. Ma, mma3@dow.com

Development of More Efficient Pesticide Exposure Screening Informed by Fate, Usage & Monitoring Data (Cosponsored with ENVR). (Oral & Poster submissions.) M. Barrett, barrett.michael@epa.gov; W. Chen, wenlin.chen@syngenta.com; M. Shamin, shamim.mah@epa.gov

Endangered Species Risk Assessment for Pesticides: Advances in Methods & Process (Cosponsored with ENVR). (Oral & Poster submissions.) T. Hall, tilghman.hall@bayer.com; N. Poletika, npoletika@croplifeamerica.org; C. Peck, peck.charles@epa.gov; T. Hawkes, tony.hawkes@noaa.gov; N. Golden, Nancy_Golden@fws.gov; V. Forbes, vforbes3@unl.edu

Environmental Fate, Management & Mitigation of Nitrogen in Agricultural Systems (Cosponsored with ENVR). (Oral & Poster submissions.) B. Bret, blbret@dow.com; C. Hapeman, cathleen.hapeman@ars.usda.gov; K. Armbrust, armbrust@lsu.edu

Environmental Fate, Transport & Modeling of Agricultural Chemicals (Cosponsored with ENVR). (Oral & Poster submissions.) S. Jackson, scott.jackson@basf.com; N. Peranginangin, natalia.peranginangin@syngenta.com

Feeding the World Requires Pesticides & Maximum Residue Levels. (Oral & Poster submissions.) H. Irrig, heidi.irrig@syngenta.com

Formulation Technologies for Improved Crop Protection (Cosponsored with ENVR & ORGN). (Oral & Poster submissions.) S. Sumulung, sasumulung@landolakes.com; A. Malec, amalec@abioat.com; T. Jindal, tjindal@amity.edu

Global Research Needs: Identifying & Prioritizing Efforts To Sustain Environmental Quality (Cosponsored with ENVR & TOXI). B. Brooks, bryan_brooks@baylor.edu; P. Rice, pamelarice@ars.usda.gov; E. Ulrich, Dionysiou, dionysios.d.dionysiou@uc.edu; G. Cobb, george_cobb@baylor.edu

GMOs & the Entanglement of Intellectual Property Rights (Cosponsored with CHAL & ENVR). (Oral & Poster submissions.) A. Coates, coatesa@unlv.nevada.edu

Host Plant Volatiles & Chemotaxonomy for Predicting the Host Range of Candidate Biocontrol Agents of Invasive Weeds. (Oral & Poster submissions.) J. Beck, john.beck@ars.usda.gov

Immunoassays & Other Bioanalytical Techniques (Immunochemistry Summit XII) (Cosponsored with ANYL, ENVR & SCHB). (Oral & Poster submissions.) J. Van Emon, vanemon.jeanette@epa.gov

Innovation in Metabolism, Bioavailability & Formulations Research Leading to the Discovery of Agrochemicals: Symposium Honoring Dr. Keith D. Wing, AGRO Insecticide Action on Ion Channels: A Tribute to Professor Toshio Narahashi (Cosponsored with ORGN). D. Soderlund, dms6@cornell.edu; K. Dong, dongk@cns.msu.edu; V. Salgado, vincent.salgado@basf.com

International Award for Research in Agrochemicals. T. Sparks, tcsparks@dow.com; J. Green, jerry.m.green@greenwaysconsulting.com; B. Lorschach

Researchers supported by grants or contracts from the U.S. Department of Defense are required to submit proposal abstracts and manuscripts for review by DOD if so specified in the grant or contract. It is the responsibility of the authors to secure approval when necessary and to indicate to program chairs that approval has been obtained or is expected.

Latest Trends in Environmental Fate & Exposure Assessments—Filling in Knowledge & Data Gaps across the Commodity Groups (Cosponsored with ENVR).

(Oral & Poster submissions.) K. Malekani, kmalekani@smithers.com; J. Ericson, jon.f.ericson@pfizer.com; G. Rattray, graham.rattray@hc-sc.gc.ca; J. Robinson, joseph.a.robinson@zoetis.com; M. Xiao Huang, michael-xiao.huang@dupont.com

Lysimetric Studies & Point Source Contamination by Leaching (Cosponsored with ENVR).

(Oral & Poster submissions.) T. Jindal

Metabolites from Endophytic Microorganisms To Combat Biotic Stress in Crop Plants (Cosponsored with BIOL).

(Oral & Poster submissions.) N. Kaushik, kaushikn@teri.res.in; A. González-Coloma, azu@ica.csic.es

Pesticide Dose: Effects on the Environment & Target & Nontarget Organisms (Cosponsored with ENVR).

(Oral & Poster submissions.) S. Duke, P. Kudsk, per.kudsk@agro.au.dk

Pesticide Residues in Latin America: Ecotoxicology & Environmental Sustainability (Cosponsored with ENVR).

(Oral & Poster submissions.) M. Cesio, cs@fq.edu.uy; J. Miglioranza, kmiglor@mdp.edu.ar

Pesticides & Hydrophobic Compounds in Sediment (Cosponsored with ENVR).

(Oral & Poster submissions.) J. Giddings, jgiddings@complianceservices.com; J. Gan, jgan@ucr.edu; A. Barefoot, aldosc.barefoot@usa.dupont.com; P. Hendley, paul.hendley@phasera.com

Pollinators & Agrochemicals (Cosponsored with ENVR).

(Oral & Poster submissions.) M. Hladik, mhladik@usgs.gov; P. Reibach, preibach@smithers.com; E. Ulrich

Recent Advances in the Analysis of Environmental Contaminants in Foods & Feeds (Cosponsored with ANYL & ENVR).

(Oral & Poster submissions.) Y. Sapozhnikova, yelena.sapozhnikova@ars.usda.gov

Spray Application Technology (Cosponsored with ENVR).

(Oral & Poster submissions.) S. Jackson, P. Havens, phavens@dow.com; G. Kruger, greg.kruger@unl.edu

Structure Elucidation in Metabolism Studies (Plant, Animal, Fish & Soil) (Cosponsored with ANYL).

(Oral & Poster submissions.) J. Afzal, jalees.afzal@bafsc.com; M. Jalal, maf.jalal@valent.com

Urban Agriculture: Turf, Ornamentals, Household Products & Water Reuse (Cosponsored with ENVR).

(Oral & Poster submissions.) T. Jindal

Beyond Quant: Reenvisioning the Foundational Course in Analytical Chemistry.

K. Frederick, kfeder1@skidmore.edu; C. Culbertson, culbert@ksu.edu

Challenges for Analytical Chemists in Meeting the Revised USP Chapter/Subchapter <661>, <1663> & <1664> for Extractables/Leachables in Pharmaceutical Products.

J. Castner, jcastner410@gmail.com

Challenges in Bioanalytical Chemistry.

J. Wang, jwang34@albany.edu

Forced Degradations in Pharmaceutical Industry.

H. Yarabe, hyacinthe.yarabe@pfizer.com

General Analytical Posters. D. Duckworth Improving/Validating Analytical Laboratory Performance: The Role of Proficiency Testing.

M. Latko, mlatko@aiaha.org; A. Oler, aoler@aiaha.org

Informatics 2.0 for the Analytical Sciences: Big Data, the Semantic Web & Metadata.

S. Chalk, schalk@unf.edu; A. Williams, tony27587@gmail.com

Innovations in Analytical Chemistry & Their Application to National Security & Forensics (CBRNE).

C. Fraga, carlos.fraga@pnnl.gov; H. Cho, hm.cho@pnnl.gov; J. Cort, john.cort@pnnl.gov; D. Wunschel

Innovations in Teaching Analytical Chemistry.

A. Cavinato

Micro- & Nanoscale Innovations in Chromatography.

S. Olesik, olesik@chemistry.ohio-state.edu

Nanotechnology for Analytical Sensing & Spectroscopy-Based Applications.

R. Narayanan, radha.narayanan@uspto.gov

New Developments & Applications of Electrochemistry.

S. Pratt, sandra.pratt@pnnl.gov

Open Air Analytical Measurements for Forensics, Health & Homeland Security.

A. Hall, a.hall@neu.edu; B. Musselman, musselman@ionsense.com

BIOCHEMICAL TECHNOLOGY

Will not meet in Boston.

BIOLOGICAL CHEMISTRY

Program Chairs: C. Crews, Yale U. Dept. of Biology—KBT 454, P.O. Box 208103, New Haven, CT 06520, (203) 432-3460, craig.crews@yale.edu; V. Bandarian, U of Arizona, 1041 East Lowell St., Tucson, AZ 85721, (520) 626-0389, vahe@email.arizona.edu

Abstracts due March 16.

Current Topics in Biological Chemistry. V. Bandarian

Graduate Student & Postdoctoral Symposium. C. Crews

Young Investigator Symposium. C. Crews

BUSINESS DEVELOPMENT & MANAGEMENT

Program Chairs: K. Allen, Aegis Sciences Corp., 515 Great Circle Rd., Nashville, TN 37228, (615) 425-4633, kara.allen@aeigislabs.com; J. Bryant, Pacific Northwest National Laboratory, 902 Battelle Blvd., MSIN K7-38, Richland, WA 99354, (509) 375-3765, janetbryant@pnnl.gov

Abstracts due April 1.

Henry F. Whalen Jr. Award Symposium. K. Allen; J. Bryant

Leadership Skills as a Strategic Advantage: The Chemist's Competitive Edge. C. Duane, carol.duane@sbcglobal.net; T. Lane, maingee1@me.com

CARBOHYDRATE CHEMISTRY

Program Chair: E. Rozners, Binghamton U, Dept. of Chemistry, 4400 Vestal Pkwy. East, Binghamton, NY 13902, (607) 777-2441, erozners@binghamton.edu

Abstracts due March 16.

Advances in Oligonucleotide Therapeutics. M. Manoharan, mmanoharan@alnylam.com

Carbohydrate Synthesis for Medicinal Chemistry & Biology. G. O'Doherty, g.odoherty@neu.edu

Fundamental & Applied Aspects of Glyconanotechnology. R. Narain, narain@ualberta.ca

General Posters. E. Rozners

Glycolipid Immunostimulants (Cosponsored with MEDI). R. Franck, rfranck@hunter.cuny.edu

New Strategies & Applications of Aminoglycosides. T. Chang, tom.chang@usu.edu

Abstracts due March 24.

2015 ACS Catalysis Lectureship. K. Ramasamy

Catalysis by Mixed Oxides. I. Wachs, iew0@lehigh.edu; O. Guerrero-Perez, oguerrero@uma.es

Catalysis Poster Session. K. Ramasamy

Catalysts for Ammonia Economy. M. Jones, martin-owen.jones@stfc.ac.uk; B. David, bill.david@stfc.ac.uk

Catalytic Upgrading of Biomass. M. Olarte, mariefel.olarte@pnnl.gov; S. Wettstein, stephanie.wettstein@coe.montana.edu

CO₂ Utilization. A. Raju, arun@cert.ucr.edu

Computational Catalysis. R. Assary, rassary@anl.gov

In Situ Surface Science Methods for the Study of Model Catalysts. J. Boscoboinik, jboscoboinik@bnl.gov

MOF in Catalysis. P. Thallapally, praveen.thallapally@pnnl.gov

Nanocatalysis. Y. Lei, yu.lei@uah.edu

Role of the Outer Coordination Sphere on Enzymatic & Molecular Catalysts. W. Shaw, wendy.shaw@pnnl.gov

Single-Atom Catalysis. A. Karim, amkarim@vt.edu; Z. Wei, zhehao.wei@email.wsu.edu

CELLULOSE & RENEWABLE MATERIALS

Will not meet in Boston.

CHEMICAL EDUCATION

Program Chairs: I. J. Levy, Gordon College, Dept. of Chemistry, 255 Grapevine Rd., Wenham, MA 01984, (978) 867-4877, irv.levy@gordon.edu; I. Black, IM, P.O. Box 201221, New Haven, CT 06520, (203) 887-4996, diblack4@gmail.com; B. Rios-McKee, beatrizmckee@me.com

Abstracts due March 30.

Academic Innovations for Tomorrow's Industries: GSSPC Symposium. L. Johnson, joh10479@umn.edu

Active Learning in the Chemistry Classroom. D. Katz, dakatz45@msn.com

Careers for Young Professionals in Green Chemistry: Breaking Bad Chemistry Habits.

R. Borg, raymondedwardborg@gmail.com; W. Lawal, wasiulawal79@yahoo.co.uk; E. Narh, eugenien.narh@mavs.uta.edu; A. Ivanova, ivanovanna@gmail.com

Chemistry Education Research.

G. Bhat-tacharyya, gautamb@missouristate.edu; T. Greenbowe, tgreenbo@uoregon.edu

Citizens First! Using Real-World Contexts for Engaging Students in Learning Chemistry.

P. Daubenmire, pdauben@luc.edu; C. Middlecamp, cmiddle@wisc.edu

Education for Sustainable Development & Innovative Technologies across Culture.

R. Kelly, resa.kelly@sjsu.edu

From Discovery to Application: Implementing the Last 50 Years of Innovation into the Undergraduate Chemistry Classroom.

A. Banerjee, banerjee_anil@columbusstate.edu

General Papers.

S. Fleming, sfleming@temple.edu

General Posters. I. J. Levy

High School Program. S. Mitchell, sbmitchell2@gmail.com

Incorporating Green Chemistry Innovations & Applications into the Classroom & Outreach.

E. Brush, ebrush@bridgew.edu; J. Wissing, jwissing@umn.edu

Polymer Concepts in Inorganic Chemistry Courses.

W. Ford, warren.ford@okstate.edu

Process-Oriented Guided Inquiry Learning (POGIL).

R. Moog, rick.moog@fandm.edu

Promoting Engaged Student Learning through the ACS CPT Guidelines.

C. Larive, cindy.larive@ucr.edu; T. Wenzel, twenzel@bates.edu

Successful Student Chapters.

N. DiFabio, n_difabio@acs.org

Teaching Organic Chemistry for Biology Majors.

R. Swisher, ron.swisher@oit.edu

Toxicology & Environmental Impact in the Chemistry Curriculum: Science & Strategies for Educators—State-of-the-Art Symposium.

A. Cannon, amy_cannon@beyondbenign.org; J. Warner, john.warner@warnerbabcock.com

Undergraduate Research: Applicable Science To Encourage STEM Education.

D. Rosenthal, drosenthal@wscc.edu

Undergraduate Research Papers.

N. Snyder, nsnyder@snyderglycosciencegroup.org; C. Gauthier-Valdez, cgauthier@fisuouthern.edu

Undergraduate Research Posters: Agricultural & Food Chemistry.

N. DiFabio

Undergraduate Research Posters: Analytical Chemistry.

N. DiFabio

Undergraduate Research Posters: Biochemistry.

N. DiFabio

Undergraduate Research Posters: Biotechnology.

N. DiFabio

Undergraduate Research Posters: Chemical Education.

N. DiFabio

Undergraduate Research Posters: Computational Chemistry.

N. DiFabio

Undergraduate Research Posters: Environmental Chemistry.

N. DiFabio

Undergraduate Research Posters: Geochemistry.

N. DiFabio

Undergraduate Research Posters: Green Chemistry & Sustainability.

N. DiFabio

Undergraduate Research Posters: Inorganic Chemistry.

N. DiFabio

Undergraduate Research Posters: Medicinal Chemistry.

N. DiFabio

Undergraduate Research Posters: Nanochemistry.

N. DiFabio

Note: Contact information for program chairs and symposium organizers is indicated only once in each listing.

Undergraduate Research Posters: Organic Chemistry. N. DiFabio
Undergraduate Research Posters: Physical Chemistry. N. DiFabio
Undergraduate Research Posters: Polymer Chemistry. N. DiFabio

CHEMICAL HEALTH & SAFETY

Program Chairs: D. M. Decker, Office of Environmental Health & Safety, U of California, Davis, 1 Shields Ave., Davis, CA 95616, (530) 754-7964, dmdecker@ucdavis.edu; F. Wood-Black, Sophic Pursuits Inc., 6855 Lake Rd., Ponca City, OK 74604, (580) 761-3703, fwblack@cablone.net; J. M. Pickel, Oak Ridge National Laboratory, Chemical Sciences Div., 1 Bethel Valley Rd., MS 6209, Oak Ridge, TN 37830, (865) 576-0329, pickeljm@ornl.gov

Abstracts due March 16.

The Advantages & Disadvantages of Ducted, Filtered & Ductless Fume Hoods (Cosponsored with CCS). J. Kaufman, jim@labsafetyinstitute.org

Ask Dr. Safety: After the Incident—Recovery & Fallout (Cosponsored with CCS). H. Elston, helston@midwestchemsafety.com; N. Langerman, neal@chemical-safety.com

Chemical Health & Safety Awards (Cosponsored with CCS). D. Walters, waltersdb@earthlink.net

Chemical Health & Safety Posters (Cosponsored with CCS). J. Pickel

Current Topics in Chemical Safety Information (Cosponsored with CCS, CINF & CHED). R. Stuart, ralph.stuart@keene.edu; L. McEwen, lrm1@cornell.edu

Lab Safety 25 Years after Promulgation of the OSHA Laboratory Standard (Cosponsored with CCS). P. Reinhardt, peter.reinhardt@yale.edu; L. DiBerardinis, loudib@mit.edu

Safety Begins in the Classroom—Curriculum, Demonstrations & Awareness (Cosponsored with CCS & CHED). F. Wood-Black

CHEMICAL INFORMATION

Program Chair: E. Davis, 5118 Palatine Ave. North, Seattle, WA 98103, (406) 546-8047, erinbolstad@gmail.com

Abstracts due March 13.

Applications of Cheminformatics to the Diverse World of Natural Products. R. Schenck, rschenck@cas.org; A. Williams, tony27587@gmail.com

Chemical Information Skills: The Essential Tool Kit for Chemical Research. G. Bay-singer, graceb@stanford.edu; J. Goodman, jmg11@cam.ac.uk

Chemoinformatics: Cheminformatics in the Genetic World. R. Bienstock, rachelleb1@gmail.com

CINF Scholarships for Scientific Excellence: Student Poster Competition. G. Grethe, ggrethe@att.net

CINF Flash: Workflow Tools Lightning Round. E. Davis

Crowdsourcing Public Scientific Communication: Wikipedia Contribution in Chemistry Classrooms. M. Walker, walkerma@potsdam.edu; Y. Li, liye@umich.edu

Current Topics in Chemical Safety Information (Cosponsored with CHED & CHAS). R. Stuart, ralph.stuart@keene.edu; L. McEwen, lrm1@cornell.edu

Enabling Machines To “Read” the Chemical Literature: Techniques, Case Studies & Opportunities. D. Lowe, daniel@nextmovesoftware.com

Find the Needle in the Haystack: Dealing with Large Chemical Spaces. D. Deng, dengw2@gmail.com

General Papers. E. Davis

The Growing Impact of Big Data in the World of Chemical Information. S. Ekins, ekinssean@yahoo.com; R. Potenzzone, rudy@chemlabs.com; A. Williams

The Growing Impact of Openness in Chemistry: A Symposium in Honor of J. C. Bradley. A. Lang, asidlang@gmail.com; A. Williams

Herman Skolnik Award Symposium. L. McEwen; R. Bienstock

Innovations in Clinical Data. A. Twiss-Brooks, atbrooks@uchicago.edu

Retrosynthesis, Synthesis Planning, Reaction Prediction: When Will Computers Meet the Needs of the Synthetic Chemist? D. Evans, david.evans@reedelsevier.ch

Scientific Integrity: Can We Rely on the Published Scientific Literature? W. Town, bill_town@mac.com; J. Currano, currano@pobox.upenn.edu

Substance Identifiers: Addressing the Challenges Presented by Chemically Modified Biologics—The Role of InChI & Related Technologies. K. Taylor, keith.taylor@laderaconsultancy.com; S. Heller, steve@hellers.com

Visualizing Chemistry Data to Guide Optimization. M. Segall, matt@optibrium.com; E. Davis

Workflow Tools & Data Pipelining in Drug Discovery. T. Dudgeon, tdudgeon@informatics.matters.com; E. Davis

CHEMICAL TOXICOLOGY

Program Chair: A. Bryant-Friedrich, U of Toledo, 2801 West Bancroft St., Toledo, OH 43606, (419) 530-1940, amanda.bryant-friedrich@utoledo.edu

Abstracts due March 16.

Chemical Research in Toxicology Young Investigator Award Symposium. A. Bryant-Friedrich

Division of Chemical Toxicology Keynote Address. P. Hollenberg, phollen@umich.edu

DNA Polymerases: From Mutagenesis to Biotechnology. Y. Wang, yinsheng@ucr.edu

The Exposome. S. Balbo, balbo006@umn.edu

Founders Award Lecture & Symposium. A. Bryant-Friedrich

General Papers. A. Bryant-Friedrich

General Poster Session. A. Bryant-Friedrich

New Approaches to the Study of Chemical Toxicology in Human Health: Accelerator Mass Spectrometry. P. Henderson, paul.henderson@ucdmc.ucdavis.edu

The Role of Gut Microbiota in Carcinogenesis. S. Sturla, shana.sturla@hest.ethz.ch

Young Investigator Symposium. K. Lu, kunlu@uga.edu

CHEMISTRY & THE LAW

Program Chairs: K. Bianco, Finnegan, Henderson, Farabow, Garrett & Dunner LLP, 901 New York Ave., N.W., Washington, DC 20001, (202) 408-4069, krista.bianco@finnegan.com; J. Hasford, Finnegan, Henderson, Farabow, Garrett & Dunner LLP, 901 New York Ave., N.W., Washington, DC 20001, (202) 408-4175, justin.hasford@finnegan.com

Abstracts due March 30.

The Many Faces of CHAL: Where Chemistry Meets the Law. J. Hasford; K. Bianco

COLLOID & SURFACE CHEMISTRY

Program Chair: R. Nagarajan, Molecular Sciences & Engineering Team, Natick Soldier Research, Development & Engineering Center, 15 Kansas St., Natick, MA 01760, (508) 233-6445, ramanathan.nagarajan.civ@mail.mil

Abstracts due March 30.

30 Years of Langmuir: Looking Back ... & Forward. R. Crooks, crooks@cm.utexas.edu; F. Winnick, francoise.winnick@umontreal.ca

Basic Research in Colloids, Surfactants & Nanomaterials. R. Nagarajan

Biochemical Ligands at Interfaces: From Molecular-Scale Characterization to Devices. T. Ye, tao.ye@ucmerced.edu; G. Liu, gylliu@ucdavis.edu

Colloid-Polymer Architectures & Mixtures. S. Balko, balko@dont-want-spam.ipfdd.de; T. Kreer, kreer@dont-want-spam.ipfdd.de

Experimental & Computational Approaches to Reactions at the Surface of Colloidal Nanomaterials, Facilitated by Photoexcitation & Charge Transfer. D. Kilin, dmirt.kilin@usd.edu

Fundamental Research in Colloids, Surfaces & Nanomaterials. R. Nagarajan

Langmuir Lectures, Nano Letters Award Lecture & ACS Applied Materials & Interfaces Award Lecture. R. Nagarajan

Metrology of Characterization, Simulation & Theory of Biomembranes. M. Nieh, mu-ping.nieh@ims.uconn.edu; J. Katsaras, katsarasj@ornl.gov

Nanomaterials for Defense & Homeland Security Applications. R. Nagarajan

Nanoparticles in Food, Agricultural & Environmental Settings. D. Britt, david.britt@usu.edu

Nanorheostatics for Cancer Applications. P. Rai, prakash_rai@umsl.edu; S. Morris, morriss2@mail.nih.gov

Operando Spectroscopic Approach to Quantifying Structure-Activity Relationships of Real Catalysts under Ambient Conditions. K. Karwacki, christopher.j.karwacki.civ@mail.mil; J. Russell, john.russell@nrl.navy.mil

Polymer- & Biopolymer-Based Nanomaterials. B. Chauhan, chauhanbps@wpuunj.edu

Surface Modification To Control Cell-Surface Interactions. H. Mohwald, mohwald@mpikg.mpg.de; A. Peterson, ampeter@wpi.edu

Theory & Modeling of Nanoparticles' Interactions with Biomolecules & Polymers. M. Dutt, meenakshi.dutt@rutgers.edu; Y. Yingling, yara_yingling@ncsu.edu

COMPUTERS IN CHEMISTRY

Program Chairs: E. Esposito, exeResearch LLC, 32 University Dr., East Lansing, MI 48823, (517) 639-0684, emilio.esposito@gmail.com; S. Wildman, Washington U, Biochemistry, Box 8231, 660 South Euclid Ave., Saint Louis, MO 63110, (314) 362-8945, wildman@biochem.wustl.edu

Abstracts due March 30.

Accelerated Discovery of Chemical Compounds: Design New Polymers & Inorganic Materials from Integration of Polymer Science, Materials Science & Informatics. Y. Tseng, yjtseng@csie.ntu.edu.tw; J. Cheng, chengjo@us.ibm.com; J. Rice, jrice@us.ibm.edu

“Best in Class” Computational Software by Integration. A. Gobbi, gobbi.alberto@gene.com; P. Walters, pat_walters@vrtx.com

Calculating pK_as & Redox Potentials. M. Coote, michelle.coote@anu.edu.au; H. Schlegel, hbs@chem.wayne.edu

The Chemical Computing Group Excellence Award for Graduate Students. C. Simmerling, carlos.simmerling@stonybrook.edu

Computational Modeling of Functional Polymers. B. Swope, swope@us.ibm.com; S. Rick, sricks@uno.edu; H. Ashbaugh, hanka@tulane.edu

Computational Study of Water. D. Sindhikara, sindhikara@gmail.com

Designing Chemical Libraries for Screening: Past, Present & Future. S. Das, sourav.das@stjude.org; A. Shelat, anang.shelat@stjude.org

Drug Discovery. S. Wildman; Y. Tseng

Emerging Technologies in Computational Chemistry. C. Breneman, brenecc@rpi.edu

Integrated Approaches in Structure-Based Drug Design. F. Vajdos, felix.vajdos@pfizer.com; V. Shanmugasundaram, veerabahu.shanmugasundaram@pfizer.com

Materials Science. E. Esposito

Measuring “Success” of Molecular Modeling Efforts. A. Rusinko, rusinkoa3@att.net; E. Sherer, edward_sherer@merck.com

Molecular Dynamics Simulations in Drug Discovery. G. Cui, guanglei.cui@gmail.com; D. Shivakumar, devleena.shivakumar@schrodinger.com; V. Hornak, hornak@gmail.com

Molecular Mechanics. E. Esposito; S. Wildman

NVIDIA GPU Award. M. Berger, mberger@nvidia.com

The OpenEye Outstanding Junior Faculty Award. C. Simmerling

Poster Session. E. Esposito

Quantum Chemistry. E. Patterson, eric.patterson@stonybrook.edu

ENERGY & FUELS

Program Chair: A. H. Park, Columbia U, Dept. of Earth & Environmental Engineering, 500 West 120th St., New York, NY 10027, (212) 854-8989, ap2622@columbia.edu

Abstract due date unavailable at press time.

Advances in Ceria-Based Catalysis: Structure, Electronic & Chemical Properties Tailored for Chemical Conversion (Cosponsored with CATL). S. Senanayake, ssenanay@bnl.gov; Z. Wu, wuz12@ornl.gov

Advances in Chemistry of Energy & Fuels. A. H. Park; X. Wang, xianqin.wang@njit.edu

Advances in Analytical Methods for Petroleum Upstream Applications. C. Ovalles, cesar.ovalles@chevron.com; C. Rechsteiner, carl.rechsteiner@chevron.com

Biomass & Biofuels for Powering the World: Discovery to Application (Cosponsored with CATL). M. Nimlos, mark.nimlos@nrel.gov; C. Mukarakate, calvin.mukarakate@nrel.gov; L. Moens, luc.moens@nrel.gov; D. Robichaud, d.robichaud@nrel.gov; B. Trewyn, btrewyn@nrel.edu

Chemical Looping Innovation for Low-Carbon Energy. P. S. Fennell, p.fennell@imperial.ac.uk; F. Li, fil5@ncsu.edu

Henry H. Storch Award in Fuel Science. A. H. Park; X. Wang

Innovative Chemistry & Electrocatalysis for Low-Carbon Energy & Fuels: Discovery to Application (Cosponsored with CATL). Y. Shao, yuyan.shao@pnnl.gov; F. Jiao, jiao@udel.edu; J. Sun, junning.sun@wsu.edu; S. W. Lee, seung.lee@me.gatech.edu

Innovative Electrochemical Energy Storage & Conversion (Cosponsored with CATL). J. Lu, junlu@anl.gov; X. Ji, david.ji@oregonstate.edu

Innovative Extraction & Utilization Pathways of Unconventional Hydrocarbon Sources (Cosponsored with CATL). A. J. Marchese, marchese@colostate.edu; A. Boehman, boehman@umich.edu

Novel Materials & Processes for Carbon Capture, Utilization & Storage. S. P. Katikaneni, sai.katikaneni@aramco.com; J. H. Lee, jayhlee@kaist.ac.kr; O. M. Yaghi, yaghi@berkeley.edu; C. Petit, camille.petit@imperial.ac.uk

Porous Materials for Energy & Sustainability from Discovery to Application. S. Ma, sqma@usf.edu; Y. Han, yu.han@kaust.edu.sa; D. Jiang, djjiang@ucr.edu

ENVIRONMENTAL CHEMISTRY

Program Chair: D. Dionysiou, U of Cincinnati, 705 Engineering Research Ctr., Cincinnati, OH 45221, (513) 556-0724, dionysios.d.dionysiou@uc.edu

Abstracts due March 16.

Advanced Material, Reactor & System for CO₂ Utilization (Cosponsored with ENFL). (Oral & Poster submissions.) J. Xuan, j.xuan@hw.ac.uk; H. Wang, hailang_wang@yale.edu; M. Maroto-Valer, m.maroto-valer@hw.ac.uk

Advanced Materials & Technologies for Desalination & Wastewater Reuse. (Oral & Poster submissions.) Q. Lee, qilin.lee@rice.edu; J. Kim, jaehong.kim@yale.edu

Advances in Chemistry for Carbon Capture, Utilization & Sequestration (CCUS). (Oral & Poster submissions.) M. Zhao, ming.zhao@tsinghua.edu.cn; P. Fennell, p.fennell@imperial.ac.uk; N. Florin, nick.florin@uts.edu.au

Advances in Drinking Water Disinfection: By-Products' Occurrence, Formation, Treatment, Health Effects, Epidemiology & Regulation. (Oral & Poster submissions.) E. Sahle-Demessie, sahle-demessie.endalkachew@epa.gov; G. Sorial, george.sorial@uc.edu

Advances in Sensing Technologies for Real-Time & Remote Monitoring of Water Quality. (Oral & Poster submissions.) M. Romero-Gonzalez, m.e.romero-gonzalez@sheffield.ac.uk; R. Plenderleith, r.a.plenderleith@sheffield.ac.uk

Anaerobic Sewage Treatment: Dissolved Methane & Nitrogen Control. (Oral & Poster submissions.) H. Lee, hyungsool@uwaterloo.ca; P. Joonhong, parkj@yonsei.ac.kr; G. Wells, george.wells@northwestern.edu

Application of Chemical Receptor Models for Contaminant Source Apportionment. (Oral & Poster submissions.) J. Pietari, jpietari@exponent.com; K. O'Reilly, koreilly@exponent.com

Assessing Transformation Products by Nontarget & Suspected Target Screening: The New Frontier in Environmental Chemistry & Engineering. (Oral & Poster submissions.) J. Drewes, jdrewes@tum.de; T. Letzel, t.letzel@tum.de; S. Snyder, snyders@email.arizona.edu

Biological Inspiration for Environmental Sustainability: Bioinspired Approaches for Energy Conversion, Storage & Materials (Cosponsored with PHYS & ORGN). (Oral & Poster submissions.) V. Vullev, vullev@ucr.edu; K. Rajeshwar, rajeshwar@uta.edu

C. Ellen Genter Awards Symposium. T. Anderson, todd.anderson@ttu.edu

Chemical Processes of Atmospherically Relevant Trace Gases, Aerosols & Clouds (Cosponsored with PHYS). (Oral & Poster submissions.) S. Lee, slee19@kent.edu; D. Knopf, daniel.knopf@stonybrook.edu

Coupled Contaminant Fate Processes in Water Bodies of Developed Landscapes. (Oral & Poster submissions.) T. Vadas, vadas@engr.uconn.edu; A. MacKay, mackaya@engr.uconn.edu

Designing Safer Chemicals (Cosponsored with CEI). J. Zimmerman, julie.zimmerman@yale.edu; P. Anastas, paul.anastas@yale.edu; A. Voutchkova-Kostal, avoutchkova@gwu.edu

Detection & Fate of Health-Related Microorganisms in Water. (Oral & Poster submissions.) K. Wigginton, kwigg@umich.edu; K. Bibby, bibbykj@pitt.edu

Discovery & Solutions to Pesticide Contamination of Water. (Oral & Poster submissions.) S. Ahuja, sutahuja@atmc.net

Emerging Electrochemical Water Remediation Technologies: A Symposium in Honor of Professor Enric Brillas & Professor Mehmet A. Oturan. (Oral & Poster submissions.) V. Sharma, vsharma@sph.tamhsc.edu; I. Sadornil, isires@ub.edu; F. Alcaide Monterrubio, falcaide@cidetec.es

Enantioselective Biotransformation of Chiral Pollutants in Soils & Water (Cosponsored with AGRO). (Oral & Poster submissions.) J. Schmidt, schmidtj@abclabs.com; I. Kania-Korwel, izabela-korwel@uiowa.edu

Environmental Applications & Implications of Graphene-Based Nanomaterials. (Oral & Poster submissions.) C. Indranil, chowdhury.indranil@epa.gov; D. Bouchard, bouchard.dermont@epa.gov

Environmental Aspects of Adsorption/Desorption Processes. (Oral & Poster submissions.) G. Rytwo, giorarytwo@gmail.com

Environmental Transformation of Nanoparticles: Processes, Mechanisms & Ecological Impacts. (Oral & Poster submissions.) K. Hristovski, kiril.hristovski@asu.edu; P. Larese-Casanova, phil@coe.neu.edu; B. Lau, borislau@engin.umass.edu; W. Yan, weile.yan@ttu.edu; M. Cledon, maximiliano.cledon@ete.inrs.ca

Flue Gas Cleaning & Climate Control. (Oral & Poster submissions.) R. Fehrmann, rf@kemi.dtu.dk; A. Riisager, ar@kemi.dtu.dk

General Posters. D. Dionysiou

Green Chemistry & the Environment (Cosponsored with YCC). (Oral & Poster submissions.) R. Luque, q62alsor@uco.es; A. Balu, z82babaa@uco.es; S. Obare, sherine.obare@wmich.edu

Heterogeneous Catalysis for Environmental Applications. (Oral & Poster submissions.) A. Orlov, alexander.orlov@stonybrook.edu; A. Savara, savaraa@ornl.gov

Hydrothermal Carbonization: Possibilities & Limits for Feedstocks, Processes & Applications. (Oral & Poster submissions.) K. Ro, kyoungr.ars.usda.gov; C. Coronella, coronella@unr.edu; J. Libra, jlibra@atb-potsdam.de; S. Chang, sechin.chang@ars.usda.gov

Microorganism-Membrane Interactions: Toward Understanding Pathogen Removal & Membrane Biofouling. (Oral & Poster submissions.) V. Tarabara, tarabara@msu.edu; H. Nguyen, thn@illinois.edu; I. Xagorarakis, xagorara@egr.msu.edu

Nanoenabled Environmental Technologies. (Oral & Poster submissions.) K. Hristovski; J. Goldfarb, jilliang@bu.edu; K. Doudrick, kdoudrick@nd.edu

New Challenges in Water Quality, Treatment, Reuse & Sustainability: Chemistry & Application of Advanced Oxidation Processes for Removal of Contaminants of Concern & Transformation Products. (Oral & Poster submissions.) G. Li Puma, glipuma@lboro.ac.uk; D. Dionysiou; K. O'Shea, osheak@fiu.edu; D. Minakata, dminakat@mtu.edu; R. de Fatima Peralta Muniz Moreira, regina@enq.ufsc.br

Next-Generation Nanomaterials: Advances & Perspectives for Biomedicine, Energy & Environmental Protection. (Oral & Poster submissions.) J. Song, jsong7@emory.edu; J. Mi, jmi1@gsu.edu

Reclamation, Remediation, Restoration: Novel Approaches to Environmental Challenges. (Oral & Poster submissions.) L. Lee, lslee@purdue.edu; M. Mashtare, mmashtare@purdue.edu; L. Royer, lroyer@exponent.com

Resource Recovery & Contaminant Elimination in Waste Streams of Increasing Concern. (Oral & Poster submissions.) T. Boyer, thboyer@uffd.edu; C. Huang, ching-hua.huang@ce.gatech.edu

Sensing of Environmentally Relevant Contaminants. (Oral & Poster submissions.) D. Jassby, djassby@enr.ucr.edu; B. Chaplin, bpchaplin@gmail.com

Status & Trends of Biological & Persistent Organic Chemicals in the Great Lakes. (Oral & Poster submissions.) J. Pagano, james.pagano@oswego.edu; D. Dionysiou

Using Passive Sampling Techniques To Detect Organic Contaminants (Cosponsored with ORGN). (Oral & Poster submissions.) R. Lohmann, lohmann@gsu.uri.edu; C. McDonough, carriemc@my.uri.edu

FLUORINE CHEMISTRY

Program Chair: V. Petrov, DuPont, P.O. Box 8352, Wilmington, DE 19803, (302) 695-1958, viacheslav.a.petrov@usa.dupont.com

Abstracts due March 16.

Radiochemistry (Cosponsored with MEDI & NUCL). N. Vasdev, vasdev.neil@mgh.harvard.edu; G. Tamagnan, gtamagnan@mrimaging.com; A. Packard, alan.packard@childrens.harvard.edu

GEOCHEMISTRY

Program Chair: Y. Jun, Washington U in St. Louis, Dept. of Energy, Environmental & Chemical Engineering, 1 Brookings Dr., Saint Louis, MO 63130, (314) 935-4539, ysjun@seas.wustl.edu

Abstracts due March 16.

Biogeochemical Cycling of Nutrients & Contaminants in Physically Complex Environments. B. Kocar, kocar@mit.edu

General Geochemistry Posters. Y. Jun

General Geochemistry Session. Y. Jun

Structure & Reactivity of Mineral-Fluid Interfaces. S. Kerisit, sebastien.kerisit@pnnl.gov; S. Teich-McGoldrick, steichm@sandia.gov

Subsurface Geochemistry for Energy & the Environment. C. Peters, cap@princeton.edu; Y. Jun

HISTORY OF CHEMISTRY

Program Chair: S. C. Rasmussen, Dept. of Chemistry & Biochemistry, North Dakota State U, NDSU Dept. 2735, P.O. Box 6050, Fargo, ND 58108, (701) 231-8747, seth.rasmussen@ndsu.edu

Abstracts due March 30.

Fifty Years of Innovation: The Legacy of the Westheimer Report. R. Egolif, rae4@psu.edu

HIST Tutorial & General Papers. S. Rasmussen

Science & Legacy of Henry Hill. J. Hayes, janahayes@gmail.com

Note: Contact information for program chairs and symposium organizers is indicated only once in each listing.

INDUSTRIAL & ENGINEERING CHEMISTRY

Program Chair: P. Smith, Westminster College, Dept. of Chemistry, 319 South Market St., New Wilmington, PA 16172, (724) 946-7299, smithpm@westminster.edu

Abstracts due March 16.

General Papers. J. Ritter, ritter@cec.sc.edu

General Posters. J. Ritter

Green Chemistry Makes a Difference:

Pharmaceutical Industry-Academic Collaborations. M. Kopach, kopach_michael@lilly.com

Industrial & Engineering Fellow: Symposium in Honor of Gary M. Seabolt. E. Frank, franker@dow.com

Industrial & Engineering Fellow: Symposium in Honor of Henry C. (Hank) Foley. M. Strano, strano@mit.edu

Industrial & Engineering Fellow: Symposium in Honor of Kenneth L. Nash. S. Clark, s.clark@wsu.edu; L. Martin, leigh.martin@inl.gov

Recycling & Recovery of Valuable Materials from Electronic Scrap. M. Nilsson, nilssonm@uci.edu; P. Smith

Symposium in Honor of the 2013 & 2014 ACS Fellows in the Division of Industrial & Engineering Chemistry. S. Alexandratos, alexsd@hunter.cuny.edu

INORGANIC CHEMISTRY

Program Chairs: N. Radu, DuPont, P.O. Box 80328, Wilmington, DE 19880, (302) 695-3363, nora.sradu@gmail.com; S. Koch, Stony Brook U, SUNY, Chemistry Dept., Chemistry Rm. 675, Stony Brook, NY 11794, (631) 632-7944, koch.stephen@gmail.com

Abstracts due March 16.

Bioinorganic Chemistry: DNA, RNA & Inorganic Drugs. (Oral & Poster submissions.) S. Koch

Bioinorganic Chemistry: Proteins & Enzymes & Model Systems. (Oral & Poster submissions.) S. Koch

Building Innovative Solid-State Materials through Solution Chemistry. (Oral & Poster submissions.) C. Oertel, catherine.oertel@oberlin.edu; A. Norquist, anorquis@haverford.edu; J. Neilson, james.neilson@colostate.edu

Chemistry of Materials. C. Lugmair, claus.lugmair@clarifant.com

Chemistry of Materials: Materials for Energy & Catalytic Applications. C. Lugmair

Chemistry of Materials: Metal-Organic Frameworks. C. Lugmair

Chemistry of Materials: Nanomaterials. C. Lugmair

Chemistry of Materials: Synthesis & Properties. C. Lugmair

Coordination Chemistry: Characterization & Applications. (Oral & Poster submissions.) D. Crans, crans@lamar.colostate.edu

Coordination Chemistry: Synthesis & Characterization. (Oral & Poster submissions.) D. Crans

Electrochemistry. (Oral & Poster submissions.) B. Lucht, blucht@chm.uri.edu

Environmental & Energy-Related Inorganic Chemistry. (Oral & Poster submissions.) S. Koch

ExxonMobil Solid-State Chemistry Faculty Fellow Award. S. Suib, steven.suib@uconn.edu

High-Energy Organometallic Complexes: Reactivity Driving New Synthesis & Catalysis. (Oral & Poster submissions.) K. Cummins, cummins@mit.edu; M. Smith, smithm1@msu.edu; R. Waterman, rory.waterman@uvm.edu

Inorganic Catalysts. (Oral & Poster submissions.) S. Koch

Inorganic Chemistry Lectureship. W. Tolman, wtolman@umn.edu

Inorganic Nanoscience Award. S. Stoll, sls55@georgetown.edu

Inorganic Spectroscopy. (Oral & Poster submissions.) S. Koch

Inorganic Young Investigator Awards. J. Boncella, boncella@lanl.gov

Lanthanide & Actinide Chemistry. (Oral & Poster submissions.) A. de Bettencourt-Dias, abd@unr.edu

Main-Group Chemistry. (Oral & Poster submissions.) T. Hudnall, hudnall@txstate.edu

Metalloenzyme Mechanisms. I. Korendowych, ikorendo@syr.edu; G. Ghirlanda, ghirlanda@asu.edu

Metalloprotein Inhibitors: Drugs, Drug Candidates & New Targets at the Interface of Medicinal & Inorganic Chemistry. S. Cohen, scohen@ucsd.edu; Z. Sweeney, zachary.sweeney@novartis.com

Molecular Water Oxidation Catalysis. S. Bernhard, bern@cmu.edu; M. Albrecht, martin.albrecht@ucd.ie

Nanoscience. R. Richards, rrichard@mines.edu

Nanoscience: Applications. R. Richards

Nanoscience: Metal Oxides. R. Richards

Nanoscience: Metals. R. Richards

Nanoscience: Semiconductors. R. Richards

Organometallic Chemistry: Applications to Materials & Polymer Science. (Oral & Poster submissions.) N. Radu

Organometallic Chemistry: Applications to Organic Transformations. (Oral & Poster submissions.) N. Radu

Organometallic Chemistry: Catalysis. (Oral & Poster submissions.) N. Radu

Organometallic Chemistry: New Ligand Platforms. (Oral & Poster submissions.) N. Radu

Organometallic Chemistry: Synthesis & Characterization. (Oral & Poster submissions.) N. Radu

Solid-State Inorganic Chemistry. (Oral & Poster submissions.) V. Poltavets, poltavets@chemistry.msu.edu; C. Lugmair

Synthetic Chemistry Approaches to Magnetic Materials. (Oral & Poster submissions.) D. Freedman, danna.freedman@northwestern.edu; D. Harris, dharris@northwestern.edu; E. Rodriguez, efrain@umd.edu

MEDICINAL CHEMISTRY

Program Chair: W. Young, Genentech, 1 DNA Way, MS#18A, South San Francisco, CA 94080, (650) 467-7945, young.wendy@gene.com

Abstracts due March 30.

Advances in Predictive Toxicology: Part 1—In Silico & In Vitro Approaches. D. Ortwine, ortwine.daniel@gene.com; J. Reilly, john.reilly@novartis.com; B. Wei, weibing@gene.com

Advances in Predictive Toxicology: Part 2—Case Studies in Drug Development. A. Stepan, antonia.stepan@pfizer.com; A. Peat, andy.j.peat@gsk.com; J. Sutton, james.sutton@novartis.com

Cancer Immunotherapy: The Next Big Thing for Small Molecules. Z. Pei, pei.zhonghua@gene.com; A. Northrup, alan_northrup@merck.com

Case Studies of Successful Drugs. J. Chen, jianc@amgen.com

Deuterated Drugs. L. Marcin, lawrence.marcin@bms.com

Emerging Antibody-Drug Conjugates: Applications of Medicinal Chemistry. V. Verma, verma.vishal@gene.com

Evolution of Natural Product Research in Drug Discovery. A. Peat; E. Velthuisen, emile.j.velthuisen@gsk.com; R. Li, rongshi.li@unmc.edu

First-Time Disclosures. L. Thompson, lirin.thompson@bms.com

General Orals. W. Young

General Posters. W. Young

MEDI Award Symposium. W. Young

Medicinal Chemistry Toolbox: Understanding the Roles of Inducible Pockets, Water & Small Structural Changes. P. Scola, paul.scola@bms.com; N. Meanwell, nicholas.meanwell@bms.com; K. Yeung, kap-sun.yeung@bms.com; B. Beno, brett.beno@bms.com; A. Regueiro-Ren, alicia.regueiro-ren@bms.com

Neuroinflammation. B. Shireman, bshirema@its.jnj.com

Ophthalmic Drug Discovery. N. Goodwin, nicole.c.goodwin@gsk.com; C. Adams, christopherm.adams@novartis.com

Protein-Protein Interactions. J. Chen, jianc@amgen.com; J. Gestwicki, jason.gestwicki@ucsf.edu

Recent Advances in Heart Failure. D. Pinto, donald.pinto@bms.com; R. Ewing, william.ewing@bms.com

Strategies in the Design & Characterization of Allosteric Inhibitors. N. Meanwell; P. Scola

Targeted Covalent Inhibitors. Z. Pei; S. Conner, conner_scott_e@lilly.com

NUCLEAR CHEMISTRY & TECHNOLOGY

Program Chair: J. Terry, Illinois Institute of Technology, 3101 South Dearborn St., Chicago, IL 60616, (630) 252-9708, terryj@iit.edu

Abstracts due March 16.

Analytical Chemistry in Nuclear Technology. C. Coleman, charles02.coleman@srl.nsl.gov; D. Hobbs, david.hobbs@srl.nsl.gov; D. Peterson, dominicp@lanl.gov

General Topics in Nuclear & Radiochemistry. J. Braley, jenifer.braley@gmail.com

The Physics & Chemistry of the Heaviest Elements. W. Loveland, lovelanw@onid.orst.edu

Radiopharmaceutical Design & Applications (Cosponsored with MEDI). A. Packard, alan.packard@childrens.harvard.edu

Transformation & Transport of Radionuclides in the Environment (Cosponsored with GEOC). M. Boyanov, mboyanov@anl.gov; K. Kemner, kemner@anl.gov; E. O'Loughlin, o'loughlin@anl.gov

ORGANIC CHEMISTRY

Program Chairs: M. McIntosh, U of Arkansas, Dept. of Chemistry & Biochemistry, CHBC 119, Fayetteville, AR 72701, (479) 575-4692, mcintosh@uark.edu; R. Broene, Bowdoin College, Chemistry Dept., 6600 College Sta., Brunswick, ME 04011, (207) 725-3626, rbroene@bowdoin.edu

Abstracts due March 30.

Asymmetric Reactions & Syntheses. (Oral & Poster submissions.) M. McIntosh; R. Broene

Biologically Related Molecules & Processes. (Oral & Poster submissions.) M. McIntosh; R. Broene

Chemistry of Fullerenes, Carbon Nanotubes & Graphene. (Oral & Poster submissions.) M. McIntosh; R. Broene

Cope Award Symposium. C. Welch, christopher_welch@merck.com

Flow Chemistry & Continuous Processes. (Oral & Poster submissions.) M. McIntosh; R. Broene

Frontiers of Functional Interfaces. A. Cattani-Scholz, anna.cattani-scholz@wsi.tum.de

Green Chemistry Makes a Difference: Pharmaceutical Industry-Academic Collaborations. M. Kopach, kopach_michael@lilly.com

Heterocycles & Aromatics. (Oral & Poster submissions.) M. McIntosh; R. Broene

Innovation from Discovery to Application. (Oral & Poster submissions.) M. McIntosh; R. Broene

JOC/OL Lectureship Symposium. A. Smith, smithab@sas.upenn.edu

Magnetically Recyclable Nanocatalysts. O. Reiser, oliver.reiser@chemie.uni-regensburg.de

Materials, Devices & Switches. (Oral & Poster submissions.) M. McIntosh; R. Broene

Metal-Mediated Reactions & Syntheses. (Oral & Poster submissions.) M. McIntosh; R. Broene

Molecular Recognition & Self-Assembly. (Oral & Poster submissions.) M. McIntosh; R. Broene

Nanomaterials. (Oral & Poster submissions.) M. McIntosh; R. Broene

New Reactions & Methodology. (Oral & Poster submissions.) M. McIntosh; R. Broene

On the Importance of Synthetic Organic Chemistry in Drug Discovery. J. Ellman, jonathan.ellman@yale.edu

Peptides, Proteins & Amino Acids. (Oral & Poster submissions.) M. McIntosh; R. Broene

Physical Organic Chemistry: Calculations, Mechanisms, Photochemistry & High-Energy Species. (Oral & Poster submissions.) M. McIntosh; R. Broene

Process Chemistry: New Developments in Pharmaceutical Process Development III. J. Pesti, pesti-office@opr.d.acs.org

Small Splash, Big Waves: Research at Primarily Undergraduate Institutions. S. Biros, biross@gvsu.edu

Technical Achievements in Organic Chemistry Symposium. J. Rizzo, rizzo_john_r@lilly.com

Tetrahedron Prize for Creativity in Organic Chemistry Symposium. S. Hall, stanhall@andromeda.rutgers.edu

Total Synthesis of Complex Molecules. (Oral & Poster submissions.) M. McIntosh; R. Broene

Young Academic Investigator Symposium. H. Davies, hmdavie@emory.edu

Young Investigator Symposium. R. Maleczka, maleczka@chemistry.msu.edu

PHYSICAL CHEMISTRY

Program Chair: E. Sibert, U of Wisconsin, 1101 University Ave., Madison, WI 53706, (608) 262-0265, sibert@chem.wisc.edu

Abstract due date unavailable at press time.

Bringing Astrochemicals Back to Earth: Formation Mechanisms, Stability & Spectroscopic Signatures. M. El-Shall, mselshal@vcu.edu; R. Fortenberry, rfortenberry@georgiasouthern.edu

Chemical Processes Involving Atmospherically Relevant Trace Gases, Aerosols & Clouds (Cosponsored with ENVR). S. Lee, slee19@kent.edu; D. Knopf, dknopf@ms.cc.sunysb.edu

Electronic Structure Methods for Large Systems (Cosponsored with COMP). J. Herbert, herbert@chemistry.ohio-state.edu; M. Head-Gordon, m_headgordon@calmail.berkeley.edu

From Diradicals & Polyradicals to Functionalized Materials: Theory Meets Experiment. H. Lischka, hans.lischka@univie.ac.at; M. Kertesz, kertesz@georgetown.edu; C. Parish, cparish@richmond.edu

Hydrophobicity, Ion Solvation & Interfaces: Theory, Simulations & Experiments. S. Garde, gardes@rpi.edu; D. Ben-Amotz, bendor@purdue.edu

Molecular Biophysics: Revealing the Interplay between Different Forces & Effects in Biochemical Processes. E. Alexov, ealexov@clemsun.edu; R. Luo, ray.luo@uci.edu

The Physical Chemistry of Supported Clusters & Nanoparticles. G. Johnson, grant.johnson@pnpl.gov; D. Jiang, djiang@ucr.edu

Protein-Nanomaterial Interfaces & Protein Coronas: Physical Properties, Biocompatibility & Biological Impact (Cosponsored with COLL). K. Hamad-Schifferli, schiffer@mit.edu; C. Burda, cxb77@case.edu; W. Parak, wolfgang.parak@physik.uni-marburg.de

Structure & Dynamics in Complex Chemical Systems: Gaining New Insights through Recent Advances in Time-Resolved Spectroscopies. A. Bragg, artbragg@jhu.edu; A. Krummel, amber.krummel@colostate.edu; P. Petersen, pbb33@cornell.edu

Symposium on Materials for Heat-to-Energy Conversion. R. Seshadri, seshadri@mr1.ucsb.edu; M. Kanatzidis, m-kanatzidis@northwestern.edu

POLYMER CHEMISTRY

Program Chairs: M. Jeffries-El, Iowa State U, Dept. of Chemistry, 3101C Gilman Hall, Ames, IA 50011, (515) 294-5759, malikaj@iastate.edu; D. Boday, IBM, 9000 South Rita Rd., Tucson, AZ 85744, (520) 850-6171, dboday@us.ibm.com; T. White, Air Force Research Laboratory, 3005 Hobson Way Ste. 1, Wright Patterson AFB, OH 45433, (937) 776-7579, timothy.white.24@us.af.mil; K. Mitchem, Virginia Tech, Division of Polymer Chemistry, MC 0279, 103 Surge Bldg., Blacksburg, VA 24061, (540) 231-3029, kathy@vt.edu

Abstracts due March 30.

General Topics: New Synthesis & Characterization of Polymers. (Oral & Poster submissions.) D. Garcia, dana.garcia@arkemagroup.com

Henry A. Hill Centennial Symposium: Innovation in Polymer Science (Cosponsored with PMSE). M. Jeffries-El; G. Tew, tew@mail.pse.umass.edu; L. Korley, lshanda.korley@case.edu

Industrial Innovations in Polymer Chemistry. K. Haider, karl.haider@bayer.com; M. Hunt, m.hunt@polymaterials.de; C. Lipscomb, celipscomb@mmm.com

Ionic Liquids in Polymer Design: From Energy to Health. (Oral & Poster submissions.) Y. Elabd, elabd@drexel.edu; T. Long, telong@vt.edu; J. Yuan, jiyuan.yuan@mpikg.mpg.de

Joint POLY/PMSE Award for Outstanding Graduate Research in Polymer Chemistry. W. Ford, warren.ford@okstate.edu

Multicomponent & Sequential Reactions in Polymer Science: Efficient Synthesis of Structurally Diverse Polymers. (Oral & Poster submissions.) P. Theato, theato@chemie.uni-hamburg.de; M. Meier, m.a.meier@kit.edu

Polymer Science for Everyday Things: Polymers for Beauty, Sports & Leisure. (Oral & Poster submissions.) D. Garcia

Protein-Like Structure & Activity in Synthetic Systems. (Oral & Poster submissions.) E. Berda, erik.berda@unh.edu; J. Foster, johanf@vt.edu; Y. Simon, yoan.simon@unifr.ch

Ring-Opening Polymerization. (Oral & Poster submissions.) J. Riffle, jriffle@chemserver.chem.vt.edu

Silicones VII. (Oral & Poster submissions.) S. Clarkson, sclarson@uceng.uc.edu; J. Mabry, joseph.mabry@edwards.af.mil

Surface Modification of Polymeric Materials. (Oral & Poster submissions.) C. Wohl, christopher.j.wohl@nasa.gov; K. Wynne, kjwynne@vcu.edu

Value of Basic Research in Solving Industrial Polymer Problems. R. Moore, rsmoor4@attglobal.net

POLYMERIC MATERIALS: SCIENCE & ENGINEERING

Program Chairs: C. Soles, National Institute of Standards & Technology, 100 Bureau Dr., Gaithersburg, MD 20899, (301) 975-8087, csoles@nist.gov; C. M. Stafford, Materials Science & Engineering Division, National Institute of Standards & Technology, MS 8542, 100 Bureau Dr., Gaithersburg, MD 20899, (301) 975-4368, chris.stafford@nist.gov; A. H. Tsou, ExxonMobil Chemical, Global Chemical Research, 5200 Bayway Dr., Baytown, TX 77520, (908) 730-3803, andy.h.tsou@exxonmobil.com; E. Ernst, PMSE Program Administrator, 20 Lawton Rd., Bridgewater, NJ 08807, (908) 759-9446, eernst61@gmail.com

Abstracts due March 16.

Adhesion Science & Adhesive Materials. R. Tripathy, ranjan.tripathy@exxonmobil.com; A. Fornof, afornof@mmm.com; A. Crosby, acrosby@umass.edu

Advanced Materials for High-Performance Formulations. J. Katz, jskatz@dow.com; M. Johnson, mljohnson2@dow.com; B. McCulloch, bmcclulloch@dow.com; J. Wilbur, jdwilbur@dow.com

Celebrating 50 Years of Polymer Science & Engineering (Cosponsored with POLY). E. Coughlin, coughlin@mail.pse.umass.edu; T. Emrick, tsemrick@mail.pse.umass.edu; K. Carter, krccarter@polysci.umass.edu; T. McCarthy, tmccarthy@polysci.umass.edu; G. Tew, tew@mail.pse.umass.edu

Eastman Chemical Student Award in Applied Polymer Science. J. Gilmer, jwgilmer@king.edu

General Papers/New Concepts in Polymeric Materials. C. Soles

Joint PMSE/POLY Poster Session. C. Soles
Journal of Polymer Science Award Symposium. C. Hawker, hawker@chem.ucsb.edu; V. Cleave, vcleave@wiley.com

Materials for Printed Electronics. Y. Rao, yrao@dow.com; C. Gilmore, cgilmore1@dow.com; J. Watkins, watkins@polysci.umass.edu; D. Delongchamp, dean.delongchamp@nist.gov

New Advances in Nanostructured Polymeric Membranes for Filtration. B. Hsiao, benjamin.hsiao@stonybrook.edu; B. Chu, benjamin.chu@stonybrook.edu

Phase Separation & Morphology Development in Polymers. C. Lopez-Barron, carlos.r.lopez-barron@exxonmobil.com; M. Robertson, mrobertson@uh.edu; S. Tallury, syamal.tallury@exxonmobil.com

Roy W. Tess Award: Symposium in Honor of Jamil Baghdachi. T. Provder, tprovder@att.net

Transition-Metal-Catalyzed Olefin Polymerization: Towards Structure Control. A. Vaughan, alan.vaughan@exxonmobil.com; R. Jordan, rfjordan@uchicago.edu

PROFESSIONAL RELATIONS

Program Chair: R. D. Libby, Chemistry Dept., Moravian College, 1200 Main St., Bethlehem, PA 18018, (610) 861-1436, rdlibby@chem.moravian.edu

Abstracts due March 30.

RUBBER DIVISION

Will not meet in Boston.

SMALL CHEMICAL BUSINESSES

Program Chair: J. E. Sabol, Chemical Consultant, P.O. Box 085198, Racine, WI 53408, (262) 498-8005, jsabol@chem-consult.com

Abstracts due March 16.

Entrepreneurs' Poster Session. G. Ruger, gruger04@yahoo.com

The Legacy of Henry Hill: Commercial Enterprises in the Polymer Sector. J. Sabol
Starting Up & Spinning Out: Commercializing Innovative Chemistry (Boston Edition). P. Kearney, patrick.c.kearney@gmail.com; J. O'Neil, oneil.ja@gmail.com

True Stories from Entrepreneurs (BRIC Edition). M. Chorghade, chorghade@comcast.net

ACADEMIC EMPLOYMENT INITIATIVE

Program Chairs: C. Kuniyoshi, American Chemical Society, Graduate & Postdoctoral Scholars Office, 1155-16th St., N.W., Washington, DC 20036, (202) 872-4588, c_kuniyoshi@acs.org; J. Z. Sostaric, American Chemical Society, Graduate & Postdoctoral Scholars Office, 1155-16th St., N.W., Washington, DC 20036, (202) 872-8734, j_sostaric@acs.org

Abstracts due March 16.

Academic Employment Initiative. C. Kuniyoshi; J. Z. Sostaric

COMMITTEE ON ENVIRONMENTAL IMPROVEMENT

Will not meet in Boston.

COMMITTEE ON MINORITY AFFAIRS

Program Chair: J. Sarquis, Miami U, 1514 Lupine Rd., Healdsburg, CA 95448, (707) 395-0260, sarquijl@muohio.edu

Abstracts due March 20.

ACS Scholars: Rising Stars in Academe (Cosponsored with PROF). L. Watkins, watkinlm@jmu.edu; A. Poggi-Burke, angedith.poggi@gmail.com

ACS Scholars: Rising Stars in Industry (Cosponsored with PROF). L. Watkins; A. Poggi-Burke

COMMITTEE ON SCIENCE

Program Chair unavailable at press time.

Abstract due date unavailable at press time.

INTERNATIONAL ACTIVITIES COMMITTEE

Program Chair unavailable at press time.

Abstract due date unavailable at press time.

SOCIETY COMMITTEE ON EDUCATION

Program Chair unavailable at press time.

Abstract due date unavailable at press time.

WOMEN CHEMISTS COMMITTEE

Program Chairs: A. C. DeBaillie, Chemical Product Research & Development, Eli Lilly & Co., Indianapolis, IN 46285, (317) 277-4298, debaillie_amy_c@lilly.com; K. Woznick, California U of Pennsylvania, Dept. of Chemistry & Physics, 250 University Ave., Mailbox 56, California, PA 15419, (724) 938-5734, woznick@calu.edu

Abstract due date unavailable at press time.

YOUNGER CHEMISTS COMMITTEE

Program Chairs: T. D. Matos, The College of William & Mary, Surface Characterization Lab, 12000 Jefferson Ave., Newport News, VA 23606, (757) 201-0758, t.d.matos@gmail.com; A. Gavrilenko, Norfolk State U, 700 Park Ave., Norfolk, VA 23504, (757) 726-7566, alexenko@gmail.com

Abstracts due March 16.

Younger Chemists Exchanging More than Currency: First—Euros & Dollars; Next—Rupees, Rands & Reais.



ACS Leadership Development System™
Your competitive advantage

www.acs.org

The courses of the ACS Leadership Development System™ are designed to address such critical needs as:

- Managing projects effectively
- Fostering innovation
- Running productive meetings
- Coaching for improved performance
- Motivating individuals and volunteers
- Building strategic plans

For course descriptions and schedules:

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