

# SPRING 2016 ACS NATIONAL MEETING

Divisions issue **CALLS FOR PAPERS** for the March 13–17 meeting in San Diego

**CALLS FOR PAPERS** for the spring 2016 ACS National Meeting (March 13–17) have been issued. The preliminary program for the meeting in San Diego will be published in the Jan. 25, 2016, issue of C&EN; the full technical program will be available at [www.acs.org/sandiego2016](http://www.acs.org/sandiego2016) on that same date.

ACS's online Meeting Abstracts Programming System (MAPS) is now open for San Diego abstracts. Please visit MAPS at [maps.acs.org](http://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 San Diego National Meeting, March 13–17, 2016

All dates are preliminary. The final dates approved by the divisions are on the abstract submission site, [maps.acs.org](http://maps.acs.org).

DIVISION	DATE	DIVISION	DATE	DIVISION	DATE	COMMITTEE	DATE
AGFD	Oct. 12	CINF	Oct. 5	INOR	Oct. 19	MPPG	Oct. 12
AGRO	a	TOXI	a	MEDI	Oct. 12	AEI	a
ANYL	Oct. 15	CHAL	Oct. 19	NUCL	Oct. 12	CEI	a
BIOT	Oct. 5	COLL	Oct. 26	ORGN	Oct. 12	CMA	Oct. 19
BIOL	Oct. 12	COMP	Oct. 12	PHYS	Oct. 12	COMSCI	Oct. 12
BMGT	Oct. 23	ENFL	Oct. 20	POLY	Oct. 12	IAC	Oct. 12
CARB	Oct. 12	ENVR	Oct. 12	PMSE	Oct. 12	SOCED	na
CATL	Oct. 19	FLUO	Oct. 12	PROF	Oct. 12	WCC	Oct. 12
CELL	Oct. 12	GEOC	Oct. 12	RUBB	a	YCC	na
CHED	Oct. 26	HIST	Oct. 23	SCHB	Oct. 12		
CHAS	Oct. 12	I&EC	Oct. 12				

a Will not meet in San Diego. 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.

## SAN DIEGO, MARCH 13–17, 2016

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

### MULTIDISCIPLINARY PROGRAM PLANNING GROUP MEETING THEME: COMPUTERS IN CHEMISTRY

**Program Chair:** K. Merz, Michigan State U, Dept. of Chemistry, 381 Chemistry Building, East Lansing, MI, 48824-1322, (814) 360-0376, kmerz1@gmail.com

Abstracts due Oct. 12.

**Big Data Science (Cosponsored with BIOL, CINF, COMP, MEDI & PHYS).** A. Tropsha, alex\_tropsha@unc.edu; B. Shoichet, bshoichet@gmail.com; K. Merz

**Computational Materials & Nanoscience: Theory Meets Experiment (Cosponsored with COMP, ENFL, INOR, ORGN & POLY).** A. Aspuru-Guzik, alan@aspuru.com; S. Tretiak, serg@lanl.gov; O. Prezhdo, prezhd@usc.edu; K. Merz

**Computer-Aided Drug Design (Cosponsored with BIOL, CINF, COMP, MEDI & PHYS).** R. Amaro, ramaro@ucsd.edu; K. Holloway, kate\_holloway@merck.com; J. Jansen, johanna.jansen@novartis.com; K. Merz

**Computers in Chemistry Plenary Session.** K. Merz

**The Fred Kavli Innovations in Chemistry Lecture.** D. Harwell, d\_harwell@acs.org

**The Kavli Foundation Emerging Leader in Chemistry Lecture.** D. Harwell

**Multiscale Chemistry (Cosponsored with BIOL, COMP & PHYS).** S. Hammes-Schiffer, shs3@illinois.edu; R. Hernandez, hernandez@gatech.edu; K. Merz

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.

**Preparing for the Real World: Challenges Faced by Young Investigators (Cosponsored with CHED, CINF, COMP, PHYS & YCC).** S. Riniker, sriniker@ethz.ch; B. Levine, levine@chemistry.msu.edu; D. Zgid, dominika.zgid@gmail.com; W. Kellett, kellettwf@gmail.com; K. Merz

### AGRICULTURAL & FOOD CHEMISTRY

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

Abstracts due Oct. 12.

**Advances in Detection: Control of Mycotoxins, Marine Toxins, Other Toxins (Cosponsored with AGRO & ANYL).** L. Jackson, lauren.jackson@fda.gov

**Advances in Food Peptide & Food Protein Research: Nutrition, Functionality & Food Safety.** Y. Zhang, yushu.zhang@ars.usda.gov

**Applied Nanotechnology for Food & Agriculture.** B. Park; M. Appell, Michael.appell@ars.usda.gov; S. Nugen, snugen@umass.edu

**Cannabis Chemistry. Challenges in Flavor Chemistry Associated with Developing Healthy Foods & Beverages.** K. Tandon, kawaljit.tandon@cbrands.com; R. Elias, elias@psu.edu

**General Papers.** B. Park  
**General Posters.** B. Park  
**Graduate Student Symposium.** C. Brine, brinec11@verizon.net

**High-Resolution Mass Spectroscopy Techniques for Identification & Quantification of Phytochemical Metabolites.** L. Howard, lukeh@uark.edu; Y. Kim, ykim@synergytaste.com; S. Talcott, stalcott@tamu.edu; M. Sucan, mathias.sucan@pfizer.com

**Metabolomics-Omics Multivariate Analysis. Nano-Biotechnology in Foods & Nutraceuticals.** F. Shahidi, fshahidi@mun.ca

**Natural & Modified Carbohydrate Polymers: Effects on Obesity Related Metabolic Diseases.** W. Yokoyama, wally.yokoyama@ars.usda.gov; M. Turowski, mturowski@dow.com

**Nutritional Oils & Omega-3s.** F. Shahidi  
**Protein Symposium.**  
**Undergraduate Symposium.** C. Brine

### AGROCHEMICALS

Will not meet in San Diego.

### ANALYTICAL CHEMISTRY

**Program Chair:** J. Harris, U of Utah Chemistry Dept., 315 South 1400 East, Salt Lake City, UT 84112, (801) 561-3585, harrisj@chem.utah.edu

Abstracts due Oct. 15.

**Advances in Analytical Separations.** J. MacLachlan, pidgirl@gmail.com  
**Advances in Structural Mass Spectrometry.** S. Valentine, stephen.valentine@mail.wvu.edu

**Analytical Methodologies & Research Partnerships at the Interface of Chemistry & Art/Archaeology.** C. Patterson, cpatterson@getty.edu; K. Trentelman, ktrentelman@getty.edu; M. de Vries, devries@chem.ucsb.edu

**Approaches for Engaging Students in Analytical Chemistry Courses (Cosponsored with CHED).** C. Harrison, c.r.harrison@gmail.com; C. Larive, cindy.larive@ucr.edu  
**Big Data & Small Data (Cosponsored with CINF & MPPG).** B. Lavine, bklab@chem.okstate.edu

**Biosensing of Proteins, Peptides, DNAs & RNAs.** Q. Cheng, quan.cheng@ucr.edu  
**Capillary Electrophoresis Applied to Bioanalysis.** C. Harrison

**Chemical Imaging: Applications, Advances & Challenges (Cosponsored with CINF & MPPG).** R. Burks, raychelle.burks@doane.edu; J. Terry, terryj@iit.edu

**Electrochemical Measurements at Biological Interfaces.** L. Baker, lanbaker@indiana.edu

**Luminescent Proteins, Dyes & Sensors.** H. Ai, huiwang.ai@ucr.edu

**Sampling & Processing of Biological Particles Enabled by Micro- or Nanofluidics.** W. Zhong, wenwan.zhong@ucr.edu

**Sunday Poster Session & Reception.** J. Harris  
**XRF: Cutting Edge Elemental Spectrometry.** G. Havrilla, havrilla@lanl.gov

### BIOCHEMICAL TECHNOLOGY

**Program Chairs:** S. Tobler, Wyeth Biopharma, 1 Burt Rd., Andover, MA 01810, (732) 594-6486, scott.tobler@merck.com; P. Tessier, Rensselaer Polytechnic Institute, Dept. of Chemical & Biological Engineering, 110 8th St., Troy, NY 12180, (518) 276-2045, tessier@rpi.edu

Abstracts due Oct. 5.

**Biofuel & Biobased Chemical Production.** M. O'Malley, momalley@engineering.ucsb.edu; K. Brandon Sutton, kteb@novozymes.com

**Biomolecular & Biophysical Processes.** J. Kaar, joel.kaar@colorado.edu; B. Hackel, hackel@umn.edu; H. Samra, samrah@medimmune.com

**Biosimilars.** K. Sampathkumar, krishnan.sampathkumar@hopira.com; J. Myers, jmyers@momentapharma.com

**Computationally Enabled Biotechnology at the Molecular, Cellular & Process Scales.** D. Roush, david\_roush@merck.com; J. Reed, jreed@wisc.edu

**Downstream Processes.** J. Neville, jim.neville@emdmillipore.com; A. Noyes, aaron.noyes@pfizer.com; T. Przybycien, todd@andrew.cmu.edu

**Emerging Technologies.** G. Thurber, gthurber@umich.edu; J. Latone, jacob.latone@dupont.com; I. Wheeldon, iwheeldon@enr.ucr.edu

**Poster Session.** A. Dumetz, andre.c.dumetz@gsk.com; B. Berger, bwb209@lehigh.edu

**Quality by Design for Biopharmaceuticals.** C. Torigoe, chikako.torigoe@fda.hhs.gov; S. Singh, singhsh@medimmune.com

**Upstream Processes.** V. Roy, RoyV@medimmune.com; M. Blenner, blenner@clmson.edu; M. Antoniewicz, mrannton@udel.edu

### BIOLOGICAL CHEMISTRY

**Program Chair:** V. Bandarian, U of Arizona, 1041 East Lowell St., Tucson, AZ 85721, (520) 626-0389, vahe@email.arizona.edu

Abstracts due Oct. 12.

**Chemistry in Service of Biology: Tools for Probing Cellular Processes.** J. Prescher, jpresche@uci.edu

**Computational Enzymology.** A. Kohen, ammon-kohen@uiowa.edu

**Enzymology of Reaction Specificity.** L. Hedstrom, hedstrom@brandeis.edu

**Frontier Methods in Protein Structure & Function.** V. Bandarian

**Goodman Award Symposium in honor of Joan Steitz.** V. Bandarian

**Graduate Student & Postdoctoral Fellow Symposium.** V. Bandarian

**RNA Structure & Function: Perspectives from Inside the Cell & Out.** J. Wedekind, joseph\_wedekind@urmc.rochester.edu

**Young Investigator Symposium.** V. Bandarian

### BUSINESS DEVELOPMENT & MANAGEMENT

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

Abstracts due Oct. 23.

**Current Topics in Chemical Business Development & Management.** J. Bryant

## CARBOHYDRATE CHEMISTRY

**Program Chair: N. Snyder, Davidson College, Box 7120, Davidson, NC, 28035, (704) 894-2309, nisnyder@ Davidson.edu**

Abstracts due Oct. 12.

**Carbohydrate Research at Predominantly Undergraduate Institutions.** N. Snyder  
**Click Chemistry in Carbohydrate, Materials Science & Biomedicine: Symposium in Honor of Professor Sharpless's 75th Birthday.** P. Wu, peng.wu@einstein.yu.edu  
**From mAb to ADCs: Tailored Antibodies & Dedicated Chemistry Technologies for Site Specific ADCs.** O. Marcq, marcqo@aol.com  
**General Posters.** N. Snyder

## CATALYSIS SCIENCE & TECHNOLOGY

**Program Chair: E. Nikolla, Dept. of Chemical Engineering & Materials Science, Wayne State U, 5050 Anthony Wayne Dr., Detroit, MI, 48202, (313) 577-4159, erandan@wayne.edu**

Abstracts due Oct. 19.

**Amorphous Catalytic Materials.** S. Scott, sscott@engineering.ucsb.edu; B. Peters, baronp@engineering.ucsb.edu

**Catalytic Materials for Methane Conversion.** B. Kilos, bakilos@dow.com; S. Lincic, lincic@umich.edu; E. Nikolla

**Catalytic Processes at Interfaces: Fundamentals & Applications.** B. Xu, bxu@udel.edu; R. Gounder, rgounder@purdue.edu; D. Hibbitts, hibbitts@berkeley.edu

**Computational Chemistry across Catalysis (Cosponsored with COMP).** C. Michel, carine.michel@ens-lyon.fr; P. Sautet, philippe.sautet@ens-lyon.fr; D. Vlachos, Vlachos@udel.edu; A. Goetz, agoetz@sdsu.edu

**Gabor A. Somorjai Award for Creative Research in Catalysis.**

**General Papers.** E. Nikolla  
**George A. Olah Award in Hydrocarbon or Petroleum Chemistry.**

**Liquid Phase Reforming.** R. Getman, rgetman@g.clemson.edu; J. Bond, jbond@sy.edu; R. Rioux, rioux@enr.psu.edu

**Poster Session.** E. Nikolla  
**Surface Chemistry & Catalysis of Metal Oxides.** A. Vojvodic, alevoj@stanford.edu; A. Selloni, aselloni@princeton.edu; N. Lopez, nlopez@ciq.es

## CELLULOSE & RENEWABLE MATERIALS

**Program Chair: C. Frazier, Sustainable Biomaterials, Cheatham Hall, Room 230, Virginia Tech, 310 West Campus Dr., Blacksburg, VA, 24061, (540) 231-8318, cfrazier@vt.edu**

Abstracts due Oct. 12.

**Biomass & Polymer Extrusion, Composite & Reaction Technologies: New Insights, Future Potential & Principles to Practice (Cosponsored with POLY & PMSE).** A. Ayoub, aayoub@ncsu.edu; L. Lucia, lucianlucia@163.com

**Biomedical & Drug Delivery Applications of Polysaccharide-Based Materials.** M. Roman, maren.roman@vt.edu; V. Edwards, vince.edwards@ars.usda.gov

**Cellulose Nanocomposites Processing Development & Their Structure-Property Relations.** K. Oksman, kristiina.oksman@lth.se; M. Sain, m.sain@utoronto.ca

**Cellulose Nanocrystal Fundamentals.** E. Kontturi, eero.kontturi@aalto.fi; E. Cranstom, ecranst@mcmaster.ca; T. Tammelin, tekla.tammelin@vt.fi

**Economic Aspects of Biofuels.** M. Loelovich, bd895892@zahav.net.il

**Functional Lignocellulosics & Nanotechnology.** T. Nypelo, tiina.nypelo@boku.ac.at; S. Peresin, soledad.peresin@vt.fi; E. Filpponen, erikko.filpponen@aalto.fi; S. Spirk, stefan.spirk@tugraz.at

**General posters.** C. Frazier  
**Improved Utilization of Proteinaceous Materials.** G. Selling, gordon.selling@ars.usda.gov

**Lignin Refining, Functionalization & Utilization.** D. Argyropoulos, dsargyro@ncsu.edu; C. Crestini, crestini@stc.uniroma2.it

**New Horizons in Sustainable Materials (Cosponsored with POLY).** K. Edgar, kjedgar@vt.edu; P. Navard, patrick.navard@mines-paristech.fr

**The Structure of Native Celluloses & the Variety of Nano-celluloses That Can Be Formed From Them: Anselme Payen Award Symposium in Honor of Akira Isogai.** R. Atalla, rhatalla@wisc.edu; J. Sugiyama, sugiyama@rishi.kyoto-u.ac.jp; U. Agarwal, uagarwal@fs.fed.us; O. Rojas, orlando.rojas@aalto.fi

**Valorization of Renewable Resources & Residuals into New Materials & Multiphase Systems.** M. Auad, auad@auburn.edu; D. Petri, dfsp@usp.br; J. Campos, jcampos@correo.cua.uam.mx; O. El Seoud, elseoud.usp@gmail.com; O. Rojas

**Water Treatment & Remediation Technologies Derived from Green Materials (Cosponsored with ENVR).** A. Ayoub; L. Lucia

## CHEMICAL EDUCATION

**Program Chairs: I. Levy, Gordon College, Dept. of Chemistry, 255 Grapevine Rd., Wenham, MA 01984, (978) 867-4877, irv.levy@gordon.edu; I. Black, IM/Yale U, 201221 Yale Station, New Haven, CT 06520, (203) 887-4996, diblack4@gmail.com; D. Wicht, Suffolk U, Dept. of Chemistry & Biochemistry, 30 Berkshire St. #2, Cambridge, MA 02141, (617) 573-8252, dwicht@suffolk.edu**

Abstracts due Oct. 26.

**ACS Award for Achievement in Research for the Teaching & Learning of Chemistry.**

**ACS-CEI Award for Incorporating Sustainability into Chemistry Education.**

**Advances in E-Learning (Cosponsored with CEI).** C. Foley, foley@sunysuffolk.edu

**Chemistry Education Research.** K. Linenberger, klingenbe@kennesaw.edu; J. Raker, jraker@usf.edu; S. Pazićni, sam.pazicni@unh.edu

**Chemistry Education Research: Graduate Student Research Forum.** A. Moon, alenacmoon@gmail.com; C. Stanford, courtney.stanford@uiowa.edu

**Chemists Helping Teachers Incorporate Next Generation Science Standards (NGSS) into Their K-12 Classrooms.** M. Brock, martin.brock@eku.edu

**Citizens First!** C. Middlecamp, chmiddle@wisc.edu; A. Hoffman, hoffman@up.edu

**Communicating Chemistry Through Social Media.** C. Sorensen-Unruh, csorensen@cnm.edu

**Computer-Aided Data Analysis in Chemical Education Research (CADACER).** T. Gupta, tanya.gupta@sdstate.edu; D. Cartrette, david.cartrette@sdstate.edu; A. Mehta, akash.mehta@sdstate.edu

**Cottrell Scholars Collaborative: Innovating the Integration of Research & Teaching.**

A. Feig, afeig@chem.wayne.edu; R. Waterman, rory.waterman@uvm.edu

**Curricular Innovations in Undergraduate Chemical Education Impacted by NSF.** C. Burkhardt, caburkha@radford.edu; R. Boggess, rboggess@radford.edu

**Fall 2015 InterCollegiate Cheminformatics Course (Cosponsored with CINF).** R. Belford, rebelford@ualr.edu; L. McEwen, lrmcewen1@gmail.com; S. Chalk, schalk@unf.edu

**Fundamentals of Chemistry Outreach Education: From Program Design to Assessment (Cosponsored with CCA, LSAC, SOCED, & YCC).** E. Brush, ebrush@bridgew.edu; E. Garcia Segal, egsega@gmail.com

**General Papers.** S. Fleming, sfleming@temple.edu

**General Posters.** I. Levy

**George C. Pimentel Award in Chemical Education.**

**Green Chemistry: Theory & Practice (Cosponsored with CEI & I&EC).** E. Brush, ebrush@bridgew.edu; J. Wissinger, jwiss@umn.edu

**GSSPC: Resolving the Big Picture: Bringing Molecules into Focus.** C. Schnobelen, carly.schnobelen@gmail.com; A. Tomaine, atomaine@cp.edu

**High School Program: Conant Award Lecture.** S. Mitchell, sbmitchell2@gmail.com

**Homework: Past, Present & Future.** M. Richards-Babb, mrichar2@wu.edu; E. Epp, epp@webassign.net; J. Penn, john.howard.penn@gmail.com

**Implementing Discovery-Based Research Experiences in Undergraduate Chemistry Courses.** J. Labov, jlabov@nas.edu; G. Weaver, gweaver@acad.umass.edu; C. Middlecamp

**Instructors & Researchers Advancing Graduate Student Education.** S. Hansen, sjh2115@columbia.edu; S. Sandi-Urena, ssandi@usf.edu

**Integration of STEM & the Liberal Arts.** C. Foley

**International & Multicultural Perspective.** S. Raje, sraje@towson.edu; S. Hansen

**Molecular Modeling at the Undergraduate Level.** C. Jaworek-Lopes, jaworek@emmanuel.edu; F. Rylvkin, rylvkin@emmanuel.edu

**NCW/CCED Themes 2016. C. Jaworek-Lopes NMR Spectroscopy in the Undergraduate Curriculum.** D. Soulsby, david\_soulsby@redlands.edu; L. Anna, laura.anna@montgomerycollege.edu; A. Wallner, twallner@mail.barry.edu

**Online Approaches in Chemical Education.** D. Canelas, dorian.canelas@duke.edu; P. Sörensen, sorensen@seas.harvard.edu; A. Marsh, marsh@lvc.edu

**Perspectives on Climate Change Literacy & Education; Local to International (Cosponsored with CEI).** K. E. Peterman, peterman@ycp.edu; G. Foy, gfoy@ycp.edu

**Potpourri of Polymer Projects: Take a Byte out of the NGSS (Cosponsored with POLY, PMSE & RUBB).** S. Rukes, sherrirukes@d128.org

**Process-oriented Guided Inquiry Learning (POGIL).** R. Moog, rick.moog@fandm.edu

**Research on Learning in the Lab.** S. Sandi-Urena

**State of the Art: Computers in Our Hands: The Essential Chemistry of Portable Electronic Devices (Cosponsored with CEI).** P. Daubenmire, pdauben@luc.edu; B. Fahlman, fahlm1b@cmich.edu; C. Middlecamp

**Strategies Promoting Success of Two-Year College Students.** L. J. Anna; T. Higgins, tbhiggins@ccc.edu

**Successful Student Chapters (Cosponsored with SOCED).** N. DiFabio, n\_difabio@acs.org

**Teaching & Implementing Effective Data Analysis & Computational Approaches across the Undergraduate Chemistry Program.** C. Cox, cctcox@stanford.edu

**The Two Year Guidelines: What's New.** S. Shih, susanmshih@att.net; J. Sabourin, jmsabour2@gmail.com

**Undergraduate Research Papers (Cosponsored with SOCED).** C. Gauthier, cgauthier@filsouthern.edu; N. Snyder, nisnyder@davidson.edu; J. Ruppel, jruppel@uscupstate.edu

**Undergraduate Research Posters: Agricultural & Food Chemistry (Cosponsored with AGFD & SOCED).** N. DiFabio

**Undergraduate Research Posters: Analytical Chemistry (Cosponsored with ANYL & SOCED).** N. DiFabio

## CHEMICAL HEALTH & SAFETY

**Program Chairs: D. M. Decker, Office of Environment 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 Oct. 12.

**Ask Dr. Safety: About Incident Reporting (Cosponsored with CCS).** N. Langerman, neal@chemical-safety.com; H. Elston, helston@midwestchemsafety.com

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

**Chemical, Sample & Asset Management Tools (Cosponsored with CINF & CCS).** J. M. Pickel, R. Stuart, rstuartch@me.com; L. McEwen, lrm1@cornell.edu

**Developing, Implementing & Teaching Hazard Assessment Tools (Cosponsored with CHED & CCS).** S. Sigmann, sigmannsb@appstate.edu

**Eli Pearce: A Remembrance (Cosponsored with CCS & IAC).** D. Walters, waltersdb@earthlink.net

**How Texas Tech & UCLA Have Affected Laboratory Safety Nationwide (Cosponsored with CCS).** J. Palmer, jgppalmer@gmail.com; D. M. Decker

**Lessons Learned: Very Quickly (Cosponsored with CCS).** T. Phifer, rphifer@wconvironmental.com; D. M. Decker

**Safety begins in the Classroom: Demonstrations, Awareness & Pre-Lab Planning (Cosponsored with CHED & CCS).** D. M. Decker; F. Wood-Black

## CHEMICAL INFORMATION

**Program Chairs: E. Davis, erinbolstad@gmail.com; E. Alvaro, Northwestern U., Seeley Mudd Library, 2233 Tech Dr., Evanston, IL 60208, (847) 467-4588, elsa.alvaro@northwestern.edu**

Abstracts due Oct. 5.

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

**Beyond Digitized Paper: The Next Generation of ELNs.** E. Davis; D. Deng, dengw2@gmail.com

**Chemical Information for Small Businesses & Start-ups (Cosponsored with SCHE).** E. Simmons, edlyns@earthlink.net

**Chemistry in Computers.** S. Chalk, schalk@unf.edu; E. Davis

**Chemistry, Data & the Semantic Web: An Important Triple to Advance Science.** S. Chalk

**CINF Scholarships for Scientific Excellence: Student Poster Competition.** S. Chalk

**Data Mining: Searching Noncovalent Interactions in Chemical Databases.** S. Sirimulla, suman.sirimulla@stlcp.edu

**Driving Change: Impact of Funders on the Research Data & Publications Landscape.** E. Alvaro; A. Twiss-Brooks, atbrooks@uchicago.edu

**Ethics 101 (Cosponsored with CCS, CHED, CHAS, ETHC & PROF).** L. McEwen, lrm1@cornell.edu; K. Lopez, klopez@csu.edu; S. Schelble, sschelbl@msudenver.edu

**From Data to Prediction: Applying Structural Knowledge in Drug Discovery & Development.** J. Cole, cole@ccdc.cam.ac.uk

**Global Initiatives in Research Data Management & Discovery (Cosponsored with MEDI).** I. Bruno, bruno@ccdc.cam.ac.uk; L. McEwen

**Informatics & Quantum Mechanics: Combining Big Data & DFT in Pharma & Materials.** A. Cho, artcho@korea.ac.kr

**Linking Big Data with Chemistry: Databases Connecting Genomics, Biological Pathways & Targets to Chemistry.** R. Bienstock, rachelleb1@gmail.com

**Reimagining Libraries as Innovation Centers: Enabling, Facilitating & Collaborating throughout the Research Life Cycle.** Y. Li, liye@umich.edu

**Tomayto vs. Tomahito: Overcoming Incompatibilities in Scientific Data.** D. Deng  
**Towards the Integration of Quantitative & Systems Pharmacology into Drug Discovery: A Systems Level Understanding of Therapeutic & Toxic Effects of Drugs (Cosponsored with MEDI & TOXI).** V. Perez Nueno, violeta.pereznueno@loria.fr

## CHEMICAL TOXICOLOGY

Will not meet in San Diego.

## 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. Kennedy, McKee, Voorhees & Sease PLC, 801 Grand Ave., Suite 3200, Des Moines, IA, 50309, (515) 288-3667, jonathan.kennedy@ipmvs.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 Oct. 19.

**Chemistry of Peace.** J. Kennedy; Abdullah Usman, abdullah\_usman111@hotmail.com

**The Many Faces of CHAL: Where Chemistry Meets the Law.** J. Kennedy, 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 Oct. 26.

**ACS Award Lectures.** R. Nagarajan  
**Basic Research in Colloids, Surfactants & Nanomaterials.** R. Nagarajan

**Biomembrane Synthesis, Structure, Mechanics & Dynamics.** S. Muralidharan, subra.murali@ucdavis.edu; A. Parikh, anparikh@ucdavis.edu; N. Srividya, nsrividya@gmail.com; M. Nieh, mu-ping.nieh@ims.uconn.edu; J. Kastaras, katsarasj@ornl.gov

**Nanomedicines: Targeting & Clearance.** J. Zheng, jiezheng@utdallas.edu; Z. Gu, zgu@email.unc.edu; J. Xie, jinxie@uga.edu; G. Han, gang.han@umassmed.edu; Z. Wang, zhenjia.wang@wsu.edu

**Colloids for Medical Imaging.** W. Parak, wolfgang.parak@physik.uni-marburg.de; P. del Pino, pdp.glez@gmail.com; J. Berlin, jberlin@coh.org

**Computational & Experimental Advances Towards Design of Energy Efficient Catalysts.** C. Friend, friend@fas.harvard.edu; C. Kumar, challa@fas.harvard.edu

**Computational Modeling & Simulations in Colloid & Surface Chemistry.** R. Nagarajan

**Frontier at the Interface of Materials & Biology: Protein-Based Nanomaterials.** Q. Wang, wang263@mailbox.sc.edu

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

**Molecular Nanoparticles.** T. Bigioni, tbigion@utnet.utoleto.edu; R. Whetten, whetten@chemistry.gatech.edu

**Nanometal: Synthesis, Structure, Property & Application.** D. Jiang, djiang@ucr.edu; J. Zheng, junrong@rice.edu; Q. Wang, qmwang@xmu.edu.cn; Y. Han, yu.han@kaust.edu.sa

**Proteins & Polymers under Confinement.** R. Toomey, toomey@usf.edu; R. Tu, tu@ccny.cuny.edu

**Surface Characterization & Manipulation for Electronic Applications.** C. Hacker, christina.hacker@nist.gov; A. Bergren, adam.bergren@nrc.ca

## COMPUTERS IN CHEMISTRY

**Program Chair:** H. L. Woodcock, U of South Florida, 4202 E. Fowler Ave., Tampa, FL 33620, (813) 974-9239, hlw@mail.usf.edu

Abstracts due Oct. 12.

**30 Years of Protein Dynamics In Silico (Cosponsored with PHYS).** J. Shen, jshen@rx.umaryland.edu; M. Feig, feig@msu.edu; H. Nguyen, hdn@uci.edu

**Advances in Computer-Aided Biologics Design.** M. Landon, lissland@gmail.com; D. Pearlman, david.pearlman@schrodinger.com; S. Vajda, vajda@bu.edu

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

**COMP Undergraduate Research & National Meeting Round Table.** E. Sherer, edward\_sherer@merck.com; M. Nagan, maria.c.nagan@gmail.com

**Computational Materials Chemistry.** D. Jiang, deen.jiang@ucr.edu

**Drug Discovery.** Y. Tseng, yjtseng@csie.ntu.edu.tw; M. Landon

**From Synthesis to Design: Modeling Tools for Medicinal Chemists (Cosponsored with CINF & MEDI).** M. Landon

**Materials Science.** M. Haranczyk, mharanczyk@lbl.gov

**Measuring Success of Molecular Modeling Efforts.** A. Rusinko, andrew\_rusinko@merck.com; E. Sherer, edward\_sherer@merck.com

**Molecular Mechanics.** M. Feig  
**NVIDIA GPU Award.** M. Berger, mberger@nvidia.com

**OpenEye Outstanding Junior Faculty Award in Computational Chemistry.** C. Simmerling

**Peptide Modeling (Cosponsored with MPPG).** S. Ha, sookhee\_ha@merck.com

**Poster Session.** H. L. Woodcock

**Quantum Mechanics (Cosponsored with PHYS).** S. Wheeler, wheeler@chem.tamu.edu

**Structure, Dynamics & Reactivity at Complex Interfaces with Relevance in Renewable Energy & Environmental Applications (Cosponsored with CATL & PHYS).** V. Glezakou, vanda.glezakou@pnnl.gov; R. Rousseau, roger.rousseau@pnnl.gov

**Time-Dependent Dynamics & Electronic Excited States.** B. Wong, bryan.wong@ucr.edu

## ENERGY & FUELS

**Program Chairs:** Xianqin Wang, New Jersey Institute of Technology, Chemical, Biological & Pharmaceutical Engineering Dept., 323 Martin Luther King Jr. Blvd., Newark, NJ 07102, (973) 596-5707, xianqin.wang@njit.edu; D. Heldebrant, Pacific Northwest National Laboratory, P.O. Box 999, Richland, WA 99352 (509) 372-6359, david.heldebrant@pnnl.gov

Abstracts due Oct. 20.

**Advances in Chemistry of Energy & Fuels. (Oral & Poster submissions.)** X. Wang, D. Heldebrant

**Advances in Methane Technology.** H. Zhong, ZHe@primusge.com; J. Zhang, zhangjinli@tju.edu.cn

**Application of Computational Chemistry for Energy & Fuel Production.** L. Wang, lwang@chem.siu.edu; H. Xin, hxin@vt.edu; Y. Chen, tdchenyifei@126.com

**Batteries & Supercapacitors.** H. Xiong, clairexiong@boisestate.edu; K. Xu, conrad.k.xu.civ@mail.mil; D. Ji, david.ji@oregonstate.edu; X. Li, xiaolin.li@pnnl.gov

**CO<sub>2</sub> Conversion & Utilization.** E. Bidinger, ebidinger@ccny.cuny.edu; H. Lin, hongfei@unr.edu

**ENFL Distinguished Researcher Award Symposium.**

**Fuel Cells.** E. Lee, eonsoo.lee@njit.edu; T. Kim, taejin.kim@stonybrook.edu

**Heavy Oil Upgrading, Production & Characterization.** C. Mesters, carl.mesters@shell.com; J. Adams, jeramie.adams@uwoyo.edu; F. Tao, franklin.feng.tao@ku.edu

**Nanomaterials for Energy Conversion & Storage.** H. Zhao, haiyanz@uidaho.edu; Y. Lee, yolee@dankook.ac.kr

**Novel Materials for Energy & Fuels: Metal-Free, 2-D Materials, etc.** X. Xu, xiaoyang.xu@njit.edu; X. Wang

**Solar Cells, Perovskite Solar Cell.** Y. Hu, yunhangh@mtu.edu; R. Koodali, ranjit.koodali@usd.edu

## ENVIRONMENTAL CHEMISTRY

**Program Chair:** S. Al-Abed, U.S. EPA, 26 West Martin Luther King Dr., Cincinnati, OH, 45268, (513) 569-7849, al-abad.souhal@epa.gov

Abstracts due Oct. 12.

**ACS National Award for Creative Advances in Environmental Science & Technology.** S. Al-Abed

**Advances & Applications in Water Quality Sensing Technologies for Drinking Water, Water Reuse & Water Research.** P. Schorr, paul.schorr@dep.nj.gov; M. Romero-Gonzalez, m.e.romero-gonzalez@sheffield.ac.uk

**Advances in In Situ Pollutant Destruction by Nanoscale Zero Valent Iron & Other Engineered Nanoparticles.** S. Kanel, sushil.kanel.ctr@afit.edu; A. Agrawal, abinash.agrawal@wright.edu; B. Manning, bmanning@sfsu.edu

**Aquatic Photochemistry (Cosponsored with GEOC).** K. McNeil, kristopher.mcneill@env.ethz.ch; V. Lin, vivian.lin@usys.ethz.ch

**Carbonate & Sulfate Mineral: Nucleation, Growth & Scaling Control (Cosponsored with GEOC).** Y. Hu, yhu12@central.uh.edu; H. Teng, hteng@gwu.edu

**Characterization & Toxicity of Airborne Particulate Matters (PMs) in East Asia.** S. Tao, taos@pku.edu.cn; S. Simonich, staci.simonich@oregonsate.edu; X. Li, cexdli@polyu.edu.hk

**Chemistry of Materials Management: Mitigation & Reuse for Sustainable Environment.** S. Al-Abed; J. Baltrusaitis, job314@lehig.edu; K. Kawamoto, kkawamoto@okayama-u.ac.jp

**Detection of Engineered Nanomaterials in Environmentally Relevant Media.** C. Sims, christopher.sims@nist.gov; B. Nelson, bryant.nelson@nist.gov

**Environmental Aspects of Unconventional Oil & Gas Production & Hydraulic Fracturing.** D. Drogos, ddrogos@uwoyo.edu; R. Kleinberg, kleinberg@slb.com; W. Stringfellow, wstringfellow@lbl.gov; W. Orem, bore@usgs.gov

**Flue Gas Cleaning & Climate Control.** R. Fehrmann, rf@kemi.dtu.dk; A. Rissager, ar@kemi.dtu.dk

**General Posters.** S. Al-Abed  
**Green Chemistry & the Environment.**

R. Luque, q62alsor@uco.es; A. Balu, z82babaa@uco.es; S. Obare, sherine.obare@wmich.edu

**Identifying & Managing Underwater Munitions.** N. Jackson, jacksonnb@state.gov; G. Cobb, george\_cobb@baylor.edu

**Innovative Materials & Technologies for Water Purification.** D. Shuai, danmengshuai@gwu.edu

**Membrane Technology for Water-Energy Sustainability.** B. Mi, bmi@umd.edu; D. Jassby, djassby@engr.ucr.edu

**New Challenges on Metals & Metalloids: Chemistry, Treatment & the Impacts on Water Quality.** H. Liu, haizhou@engr.ucr.edu; D. Giammer, giammer@wustl.edu

**Opportunities & Progress in Using Computational Methods to Predict Contaminant Toxicity, Fate & Transport Properties.** W. Alexander, wlxndr2@memphis.edu

**Per- & Polyfluoroalkyl Substances Associated with Aqueous Film Forming Foams (AFFF): Chemistry, Remediation & Regulatory Issues.** J. Field, jennifer.field@oregonstate.edu; W. Giger, giger@giger-research.ch; L. Libelo, libelo.laurence@epa.gov; A. Alder, alfredo.alder@eawag.ch; C. Higgins, chiggins@mines.edu

**Science & Perception of Climate Change.** S. Obare; E. Schoffers, elke.schoffers@wmich.edu

**Treatment of Contaminants of Emerging Concern & Their Transformation Products.** L. Blaney, blaney@umbc.edu; A. Hernandez, arturoj.hernandez@upr.edu

**Water Treatment Technologies to Support "Food-Energy-Water Nexus" Water Conservation Needs.** S. Bushart, sbushart@epri.com; W. J. Cooper, wjcooper@nsf.gov

## FLUORINE CHEMISTRY

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

Abstracts due Oct. 12.

**Creative Work in Fluorine Chemistry Award Symposium. (Oral & Poster submissions.)** V. Petrov; N. Vasdev, vasdev.neil@mh.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 Oct. 12.

**Adsorption of Metals by Geomedia. (Oral & Poster submissions.)** Y. Yang, yuy@unr.edu; J. Fein, fein@nd.edu

**Analytical & Computational Isotope Geochemistry. (Oral & Poster submissions.)** A. Sessions, als@gps.caltech.edu; J. Kubicki, jdkubicki@utep.edu

**Applied Geochemical Modeling. (Oral & Poster submissions.)** E. Chiang, chiange@uoguelph.ca; R. Santos, rafael.santos@sheridancollege.ca

**Aquatic Photochemistry. (Oral & Poster submissions.)** K. McNeill, kristopher.mcneill@env.ethz.ch; V. Lin, vivian.lin@usys.ethz.ch

**Closing the Human Phosphorus Cycle: Biogeochemistry, Sustainable Phosphorus Recovery, Speciation, Detection & Reuse. (Oral & Poster submissions.)** L. Katz, lynnkatz@mail.utexas.edu; K. Ruttenberg, kcr@hawaii.edu

**Environmental Consequences of Resource Development. (Oral & Poster submissions.)** D. Singer, dsinger4@kent.edu; E. Herndon, eherrndo1@kent.edu

**Environmental Interfaces (Cosponsored with COLL & ENVR). (Oral & Poster submissions.)** Y. Jun; F. Geiger, geigerf@chem.northwestern.edu; A. Ilgen, agilgen@sandia.gov; A. Chaka, anne.chaka@pnnl.gov

**Frontiers in Microscopic Techniques & Applications to Geochemical Reactions. (Oral & Poster submissions.)** S. Riechers, shawn.riechers@pnnl.gov; S. Kerisit, sebastien.kerisit@pnnl.gov

**General Geochemistry. (Oral & Poster submissions.)** Y. Jun  
**Geochemical Reactivity of Nanoparticles, Aggregates, Coatings & Organo-Nanoparticulate Flocculates. (Oral & Poster submissions.)** B. Gilbert, bgilbert@lbl.gov; C. Kim, cskim@chapman.edu

## HISTORY OF CHEMISTRY

**Program Chair:** S. 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 Oct. 23.

**Fifty Years of Innovation: The Legacy of the Westheimer Report.** S. Rasmussen  
**HIST Tutorial & General Papers.** G. Patterson, gp9a@andrew.cmu.edu

**Science & Legacy of Henry Hill.** E. Strom, tomstrom@juno.com

## 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 Oct. 12.

**$\alpha$ -Olefins (Cosponsored with ORGN).** O. Sydora, sydorol@cpchem.com

**Computer Simulations & Validations for Separation Processes (Cosponsored with COMP).** M. Nilsson, nilssonm@uci.edu

**General Papers.** L. Martin, leigh.martin@inl.gov

**General Posters.** P. Smith

**Process Technology Programs: Preparing Students for the Chemical Industry.** F. Wood-Black, frankie.woodblack@noc.edu  
**Realities of the Chemical Industry.** M. Engelmann, mkengelmann@eastman.com; J. Smith, janet.smith@dowcorning.com

**Separations for the Nuclear Fuel Cycle in the 21st Century Revisited.** G. Lumetta, gregg.lumetta@pnnl.gov; K. Nash, knash@wsu.edu

**Undergraduate Research in Industrial & Engineering Chemistry (Cosponsored with NUCL).** M. Engelman

## INORGANIC CHEMISTRY

**Program Chairs:** N. Radu, DuPont, P.O. Box 80328, Wilmington, DE 19880, (302) 695-3363, nora.s.radu@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 Oct. 19.

**ACS Award in Inorganic Chemistry: Plenary Session.** C. Turro, turro@chemistry.ohio-state.edu; S. Koch; N. Radu

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

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

**Chemistry of Materials.** C. Lugmair, claus.lugmair@clariant.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.)** S. Koch

**Coordination Chemistry: Synthesis & Characterization. (Oral & Poster submissions.)** S. Koch

**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

**Heavy-Element Inorganic Chemistry.** D. Clark, dlclark@lanl.gov; D. Shuh, dkshuh@lbl.gov; L. Soderholm, ls@anl.gov

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

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

**Interplay of Structure & Transport Properties in Materials for Energy. (Oral & Poster submissions.)** K. Kovnir, kkovnir@ucdavis.edu; B. Merlot, merlot@usc.edu

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

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

**Memorial Symposium Honoring Karen J. Brewer.** S. Rasmussen, seth.rasmussen@ndsu.edu; M. Mongelli, mmongell@kean.edu

**Metal-Oxygen Oxidants in Synthesis & Biology: Beyond Metal-Oxo Species. (Oral & Poster submissions.)** T. Jackson, taj@ku.edu; M. Kieber-Emmons; matthew.kieber-emmons@utah.edu

**Nanoscience. (Oral & Poster submissions.)** R. Richards, rrichard@mines.edu

**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—Early Transition Metals. (Oral & Poster submissions.)** N. Radu

**Organometallic Chemistry: Synthesis & Characterization—Late Transition Metals. (Oral & Poster submissions.)** N. Radu

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

**Supramolecular Chemistry: A Crown & Anchor Approach. (Oral & Poster submissions.)** A. E. Gorden, gordeae@auburn.edu

**Transition-Metal Chemistry in DNA & RNA Regulation. (Oral & Poster submissions.)** S. Michel, smichel@rx.umaryland.edu; P. Chen, pc252@cornell.edu

**Undergraduate Research at the Frontiers of Inorganic Chemistry. (Oral & Poster submissions.)** C. Nataro, nataroc@lafayette.edu; H. Eppley, heppl@depauw.edu

**Undergraduate Teaching at the Frontiers of Inorganic Chemistry. (Oral & Poster submissions.)** J. Stewart, stewart@hope.edu; B. Reisner, reisneba@jmu.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 Oct. 12.

**Accelerating Medicinal Chemistry by Trusting Genetics.** J. Crawford, crawford.james@gene.com; T. Estrada, estrada@dnli.com

**Advances in the Development of Type II Kinase Inhibitors.** A. Hart, amy.hart@bms.com; D. Marcoux, david.marcoux@bms.com

**Alfred Burger Award in Medicinal Chemistry.** W. Young

**Blood-Brian Barrier in Drug Discovery.** E. Kerns, edkerns@hotmail.com; L. Di, li.d@pfizer.com; Z. Rankovic, rankovic\_zoran@lilly.com

**Bromodomain Inhibition: BETs & Beyond.** W. Schmitz, william.schmitz@bms.com; A. Duerfeldt, adam.duerfeldt@ou.edu

**Design of Radioligands & Molecular Probes.** Y. Auberson, yves.auberson@novartis.com

**Discovery, Pharmacology & Medicinal Chemistry of Rapidly Acting Antidepressants.** R. DeVita, robert.devita@mssm.edu

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

**General Orals.** W. Young  
**General Posters.** W. Young

**MEDI Award Symposium.** W. Young  
**Medicinal Chemistry Challenges in the Development of Countermeasures to Highly Lethal Chemicals & Biologicals.** A. Duplantier, allen.j.duplantier.ctr@mail.mil

**Medicinal Chemistry Driven by Phenotypic Assays.** J. Barrow, jbarrow@jhmi.edu; G. McGaughy, georgia.mcgaughy@vrtx.com

**Medicinal Chemists' Toolbox: Recent Strategies & Tactics for Resolving Off-Target Liabilities.** K. Yeung, kapsun.yeung@bms.com; P. Scola, paul.scola@bms.com; N. Meanwell, nicholas.meanwell@bms.com

**Neuroactive Steroids: New Drugs with Old Scaffolds.** S. Runyon, srnyon@rti.org

**Progress & New Approaches in the Ongoing Battle Against Multidrug-Resistant Bacteria.** R. Higuchi, rhiguchi@rxpharma.com; T. Haque, tasir.haque@bms.com

**Young Investigator Symposium.** T. Priszano, prisinza@ku.edu

## NUCLEAR CHEMISTRY & TECHNOLOGY

**Program Chair:** A. Hixon, U of Notre Dame, 301 Stinson-Remick, Notre Dame, IN, 46556, (574) 631-1872, ahixon@nd.edu

Abstracts due Oct. 12.

**General Topics in Nuclear & Radiochemistry.** D. Hobart, dhobart15@gmail.com

**Heavy-Element Inorganic Chemistry: A Tribute to Al Sattelberger.** D. Clark, dlclark@lanl.gov; D. Shuh, dkshuh@lbl.gov; L. Soderholm, ls@anl.gov

**Tackling the Challenging Electronic Structure of Actinides: Symposium in Honor of Richard Martin.** A. Clark, auclark@wsu.edu; E. Batista, erb@lanl.gov

**Young Investigators in Nuclear & Radiochemistry. (Oral & Poster submissions.)** A. Hixon; L. Shuller-Nickles, lshulle@clemson.edu

## 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 Oct. 12.

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

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

**Chemistry & Computers. (Oral & Poster submissions.)** M. McIntosh, R. Broene

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

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

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

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

## PHYSICAL CHEMISTRY

**Program Chair: G. Engel, U of Chicago, 929 East 57th St., Chicago, IL 60637, (773) 834-0818, gselgel@uchicago.edu**

Abstracts due Oct. 12.

**Computer Simulations of Thermodynamic and Long-Time Kinetics of Molecular Events.** R. Ebler, ron@ices.utexas.edu; C. Wong, wongch@umsl.edu; D. Zuckerman, ddmmzz@pitt.edu; R. Levy, ronlevy@temple.edu

**Decoding the Spectroscopic Signatures of Large-Amplitude Motions: Challenges & Opportunities for Theory & Experiment.** M. Johnson, mark.johnson@yale.edu; Z. Bacic, zlatko.bacic@nyu.edu

**Electrochemistry at Solid/Liquid Interfaces.** O. Borodin, oleg.a.borodin.civ@mail.mil; Y. Qi, yueqi@egr.msu.edu

**Electronic Structure & Dynamics of Metal Stable States.** K. Bravaya, bravaya@bu.edu; K. Jordan, jordan@pitt.edu

**Frontiers in Solar Light Harvesting Processes.** S. Tretiak, serg@lanl.gov; T. Krauss, krauss@chem.rochester.edu; O. Prezhdo, prezhdo@usc.edu; A. Mohite, amohite@lanl.gov

**Physical Chemistry of Complex Environmental Interfaces.** V. Grassian, vicki-grassian@uiowa.edu; G. Nathanson, grmnathan@wisc.edu

**Poster Session.** G. Engel  
**Structure & Dynamics in Enzymatic Catalysis across Multiple Timescales: Experiment & Theory.** S. Stoll, stst@uw.edu; H. Shafaat, shafaat.1@osu.edu

**Supramolecular Aggregates: Fundamentals & Applications of Soft Self-assembled Materials.** D. Eisele, eisele@eiselegroup.com

**Towards Predictive Calculations in Strongly Correlated Molecules & Materials.** E. Neuscamman, neuscamman2@lnl.gov; T. Berkelbach, tcb2@princeton.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; 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**

Abstracts due Oct. 12.

**Anionic Polymerization: Still Living After 60 Years (Cosponsored with PMSE).** L. Hutchings, l.r.hutchings@durham.ac.uk; J. Mays, jimmy@utk.edu

**Applications of Polymer Science & Interfaces.** J. Mabry, joseph.mabry@us.af.mil; S. Iacono, scott.iacono@usafa.edu; A. Tuteja, atuteja@umich.edu

**"Click" Reactions for Producing Advanced Materials.** G. Tew, tew@mail.pse.umass.edu; F. Wiesbrock, frank.wiesbrock@pccel.at; W. Kern, wolfgang.kern@uniloben.ac.at

**Controlled Depolymerization.** A. Almutairi, aalmutairi@ucsd.edu; S. Liu, sliu@ustc.edu.cn; H. Xu, xuhuaping@mail.tsinghua.edu.cn; J. Lux, jlux@ucsd.edu

**Excellence in Graduate Polymer Research. (Oral & Poster submissions.)** H. Cheng, hncheng100@gmail.com; C. Ellison, ellison@che.utexas.edu; T. Long, telong@vt.edu; C. Landry-Coltrain, christine.landry-coltrain@kodak.com

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

**Industrial Innovation in Polymer Chemistry: Sustainable Polymerization Feedstocks & Process Technology (Cosponsored with BMGT).** L. Pitet, louis.pitet@dsm.com; A. Meyer, ameyer@wyatt.com

**Industrial Innovations in Polymer Chemistry. (Oral & Poster submissions.)** K. Haider, karl.haider@bayer.com; M. Hunt, m.hunt@polymaterials.de; C. Lipscomb, celipscomb@mmm.com

**Industrial Research at the Interface of Inorganic Chemistry & Polymer Science (Cosponsored with INOR).** N. Radu, nora.s.radu@dupont.com; L. Stratton, laura@polychemistry.com

**Polymer Additive Manufacturing: Materials, Processes & Simulation.** G. Advincula, rca41@case.edu; T. Long, telong@vt.edu; J. DeSimone, desimone@unc.edu; J. Messman, jmessman@kcp.com

**Polymer Applications & Characterization in Medical Devices Industry.** X. M. Liu, x.michael.liu@pfizer.com; J. Slager, jslager@surmodics.com

**Polymeric Materials as Imaging Agents & Theranostics.** J. Lux; A. Almutairi; C. Anderson, andersonc@umpc.edu

**Responsive Nanostructures & Nanocomposites. (Oral & Poster submissions.)** E. Berda, erik.berda@unh.edu; J. Foster, johanf@vt.edu; Y. Simon, yoan.simon@unifr.ch

**Supramolecular Polymers: From Structure to Advanced Functionality. (Oral & Poster submissions.)** J. Foster; L. Montero, lucas.montero@unifr.ch; W. Weng, wgweng@xmu.edu.cn

**Sustainable Polymers, Processes & Applications (Cosponsored with PMSE). (Oral & Poster submissions.)** J. Wang, jameswang.sshy@sinopec.com; M. Hillmyer, hillmyer@umdn.edu; D. Boday, dboday@us.ibm.com; K. Desai, keydes@yahoo.com

**Undergraduate Research in Polymer Science.** S. Morgan, sarah.morgan@usm.edu; D. Savin, daniel.savin@usm.edu; S. Nazarenko, sergei.nazarenko@usm.edu

## POLYMERIC MATERIALS SCIENCE & ENGINEERING

**Program Chairs: M. Grunlan, Dept. of Materials Science & Engineering, 5030 Emerging Technologies Building, 3120 TAMU, College Station, TX, 77842, (979) 845-2406, mgrunlan@bme.tamu.edu; B. Olsen, MIT, 77 Massachusetts Ave., Cambridge, MA 02139, (617) 715-4548, bdolsen@mit.edu; X. Jia, Dept. of Materials Science & Engineering, U of Delaware, 201 DuPont Hall, Newark, DE, 19716, (302) 831-6553, xjia@udel.edu; 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, ernst61@gmail.com**

Abstracts due Oct. 12.

**Bioresponsive & Biomimetic Synthetic Polymer.** D. Bong, bong.6@osu.edu  
**Clay/Polymer Composites: Nanoclays & Other Natural Nanoparticles.** Y. Lvov, ylvov@latech.edu; E. Ruiz-Hitzky, eduardo@icmm.csic.es; L. Zhang, zhanglg@mail.buct.edu.cn; A. Takahara, takahara@ctsf.kyushu-u.ac.jp

**Computational Cheminformatics in Polymers.** G. Carri, gustavo.a.carri@exxonmobil.com; G. Rodriguez, george.rodriguez@exxonmobil.com; J. Moore, jmoore2@dow.com

**Cooperative Research Award Symposium.** S. Jana, janas@uakron.edu

**Directed Polymer Assembly.** M. Herrera-Alonso, herrera@jh.u.edu; C. Li, christi@drexel.edu

**Dynamic & Tunable Biomaterials.** A. Dove, a.p.dove@warwick.ac.uk; A. Kloxin, akloxin@udel.edu; C. Magin, cmagin@sharklet.com

**Flow-Induced Crystallization of Polymers.** A. Doufas, antonios.k.doufas@exxonmobil.com; S. Hatzikiriakos, savvas.hatziki@ubc.ca

**General Papers/New Concepts in Polymeric Materials.** C. Soles, csoles@nist.gov

**Joint PMSE/POLY Poster Session.** C. Soles  
**Polyethylene.** G. Alliger, glen.e.alliger@exxonmobil.com; D. Thurman, derek.w.thurman@exxonmobil.com; A. Winesett, donald.a.winesett@exxonmobil.com

**Polymer-Related Energy Conversion & Storage.** M. Sefan, mihaela@utdallas.edu; Z. Lin, zhiqun.lin@gatech.edu; S. Rasmussen, s.rasmussen@ndsu.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 Oct. 12.

## RUBBER DIVISION

Will not meet in San Diego.

## 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 Oct. 12.

**Best Practices from Entrepreneurs.** J. Sabol  
**Cannabis: Exploring the Chemistry, History & Future.** R. Ford, roger.ford@patriotbioenergy.com; E. Pryor, cannabis@acs-schb.org

**Computers in Chemistry: Bridging the Gap between Clients & Software.** M. Johnson, mcjohnson@inchemdesign.com  
**Entrepreneurs' Poster Session.** G. Ruger, gruger04@yahoo.com

**Start-up Businesses in Drug Discovery.** P. Kearney, patrick.c.kearney@gmail.com

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

## ACADEMIC EMPLOYMENT INITIATIVE

Will not meet in San Diego.

## COMMITTEE ON ENVIRONMENTAL IMPROVEMENT

Will not meet in San Diego.

## COMMITTEE ON MINORITY AFFAIRS

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

Abstracts due Oct. 19.

**How to Foster Diversity in the Chemical Sciences: Lessons Learned & Taught from the Stories of Recipients of the Stanley C. Israel Award (Cosponsored with PROF).** K. Bagga, kishore.bagga@drexelmed.edu; C. Hobbs, christopher.hobbs@tamuk.edu

## COMMITTEE ON SCIENCE

**Program Chair unavailable at press time.**

Abstracts due Oct. 12.

## INTERNATIONAL ACTIVITIES COMMITTEE

**Program Chair: H. N. Cheng, USDA Agricultural Research Service, 1100 Robert E. Lee Blvd., New Orleans, LA 70124, (504) 286-4450, hncheng100@gmail.com**

Abstracts due Oct. 12.

**Eli Pearce Memorial Symposium.** P. Zarras, peter.zarras@navy.mil; D. Walters, waltersdb@earthlink.net

## 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. Wozniak, California U of Pennsylvania, Dept. of Chemistry & Physics, 250 University Ave., Mailbox 56, California, PA 15419, (724) 938-5734, wozniack@calu.edu**

Abstracts due Oct. 12.

## YOUNGER CHEMISTS COMMITTEE

**Program Chair unavailable at press time.**

Abstract due date unavailable at press time.