# San Francisco, April 2-6, 2017

## MEETING THEME: ADVANCED MATERIALS, TECHNOLOGIES, SYSTEMS & PROCESSES

**Program Chair: K. Beers, NIST, Materials Science & Engineering Division, 100 Bureau Dr., Gaithersburg, MD, 20899, (301) 975-2113, beers@nist.gov**

Abstracts due Oct. 31

**Advanced Materials, Technologies, Systems & Processes Plenary Session.** K. Beers
**The Fred Kavli Innovations in Chemistry Lecture.** L. Melohn, l_melohn@acs.org
**The Kavli Foundation Emerging Leader in Chemistry Lecture.** L. Melohn

## AGRICULTURAL & FOOD CHEMISTRY

**Program Chair: N. Seeram, Bioactive Botanical Research Laboratory, Dept. of Biomedical & Pharmaceutical Sciences, Lab 440/Office 495B, College of Pharmacy, U of Rhode Island, 7 Greenhouse Rd., Kingston, RI 02881, (401) 874-9367, sciencesnseeram@uri.edu**

Abstracts due Oct. 31.

**Advances in Nanotechnology for Food & Agriculture.** M. Appell, michael.appell@ars.usda.gov; B. Park, bosoon.park@ars.usda.gov
**Artisanal Foods.** M. Tunick, michael.tunick@ars.usda.gov; A. Waterhouse, alwaterhouse@ucdavis.edu
**Bliss Point: Food Satiety & Food Mood Effects.** I. Edirisinghe, iedirisi@iit.edu; B. Burton-Freeman, bburton@iit.edu
**Chemistry & Biological Activities of Phenolic Compounds from Fruits & Vegetables.** G. Jayaprakasha, gkjp@tamu.edu; B. Patil, b-patil@tamu.edu; G. Gattuso, ggattuso@unime.it
**Chemistry & Biological Effects of Maple Food Products.** N. Seeram; H. Ma, hang_ma@uri.edu
**Chemistry of Cellulosic Natural Products.** S. Chang, sechin.chang@ars.usda.gov
**Chemistry of Korean Foods & Beverages.** C. Do, choondo@sunchon.ac.kr; A. Rimando, agnes.rimando@ars.usda.gov; K. Lee, kwglee@dongguk.edu
**Chemistry of Nonvolatile Compounds in Beverages.** M. Sucan, mathias.sucan@gmail.com
**Chemistry of Tree Nuts.** A. Mitchell, aemitchell@ucdavis.edu
**Coffee & Cocoa Products.** M. Qian, michael.qian@oregonstate.edu; M. Granvogl, michael.granvogl@tum.de
**Food Packaging Materials.** J. Finley, jfinle5@lsu.edu; M. Morello, mike.morello@pepsico.com
**General Papers.** N. Seeram
**General Posters.** N. Seeram

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

**Graduate Student Symposium.** C. Brine, brinec11@verizon.net
**Structure & Chemistry of Proteins of Food Safety & Food Manufacturing Interest.** Y. Zhang, yuzhu.zhang@ars.usda.gov
**Synthetic Biology in Food & Agriculture.** J. Talbert, jotalber@iastate.edu; N. Nitin, nnitin@ucdavis.edu; R. Tiwari, rashmi.tiwari@pepsico.com
**Undergraduate Symposium.** C. Brine
**Water as a Food Component.** J. Finley

## AGROCHEMICALS

Will not meet in San Francisco.

## ANALYTICAL CHEMISTRY

**Program Chairs: L. A. Baker, Indiana U, 800 E Kirkwood Ave., Bloomington, IN 47405-7102, (812) 856-1873, lanbaker@indiana.edu; K. Phinney, NIST, 100 Bureau Dr., Stop 8392, Gaithersburg, MD 20899-8392, (301) 975-4457, karen.phinney@nist.gov**

Abstracts due Oct. 31.

**Active Learning in the Undergraduate Analytical Chemistry Curriculum** (Cosponsored with CHED). J. Robinson, jirobins@indiana.edu; T. Wenzel, twenzel@bates.edu
**Advanced Electroanalysis for Emerging Battery Technologies** (Cosponsored with CATL). J. Rodriguez-Lopez, joaquinr@illinois.edu
**Advanced Materials, Discovery, Characterization & Safety.** L. Holland, lisa.holland@mail.wvu.edu; W. Zhong, wenwan.zhong@ucr.edu
**Advances in Analytical Electrochemistry.** L. Baker
**Advances in Analytical Mass Spectrometry.** K. Phinney
**Advances in Analytical Spectroscopy.** J. Harris, harrisj@chem.utah.edu
**Advances in Separations.** J. Maclachlan, pidgirl@gmail.com
**Analytical Chemistry in Minority Serving Institutes** (Cosponsored with CMA). J. Cloutier, janet.cloutier@pnnl.gov; D. Duckworth, duckworthdc@ornl.gov
**Analytical Division Poster Session.** K. Phinney
**Analytical Neuroscience.** A. Michael, amichael@pitt.edu
**Applications of Wearable or Implantable Sensors for Systems in Biology.** L. Deravi, leila.deravi@unh.edu
**Biomedical Advances in Cancer Detection & Therapeutics Using Advanced Analytical Techniques.** Y. Ma, yinfa@mst.edu
**Chemical Forensics.** C. Fraga, carlos.fraga@pnnl.gov
**Coherent Multidimensional Spectroscopy in Materials Science** (Cosponsored with PHYS). W. Zhao, wxzhao@ualr.edu
**Hierarchical Characterization of Materials Using Atomic Spectrometry & Related Techniques.** U. Fittschen, ursula.fittschen@wsu.edu
**Metamorphosis of Supercritical Fluid Chromatography to Chromatographic Systems Using Carbon Dioxide.** A. Tarafder, abhijit_tarafder@waters.com; S. Olesik, olesik.1@osu.edu
**New Analytical Advances in Accelerator Mass Spectrometry** (AMS). B. Buchholz, buchholz2@llnl.gov
**New Applications of Supercritical Fluid Chromatography.** L. Miller, millerl@amgen.com; L. Taylor, ltaylor@vt.edu
**Recent Innovations in Nano-Biosensing.** X. Li, xli4@utep.edu; Y. Zeng, yongz@ku.edu
**Synthesis & Characterization of Materials for Energy Applications** (Cosponsored with CATL). D. Rolison, rolison@nrl.navy.mil; K. Stevenson, stevenson@cm.texas.edu

## BIOCHEMICAL TECHNOLOGY

**Program Chairs: M. O'Malley, U of California, Santa Barbara, Mail Code 5080, Engineering II Rm 3357, Santa Barbara, CA 93106-5080, (805) 893-4769, momalley@engineering.ucsb.edu; V. Roy, MedImmune, Inc., 1 Medimmune Way, Gaithersburg, MD, 20878-2204, (301) 398-2891, royv@medimmune.com**

Abstracts due Oct. 24.

**Bio-Based Products.** I. Wheeldon, iwheeldon@engr.ucr.edu; N. Agrawal, agarwaln@MedImmune.com; I. Yuk, yuk.inn@gene.com
**Biophysical & Biomolecular Processes.** N. Tugcu, nihal_tugcu@merck.com; V. Natarajan, venkatesh.natarajan@biogen.com; R. Barros, rabarros@ist.utl.pt
**Biosimilars.** J. Van Deventer, james.van_deventer@tufts.edu; J. Moore, moore.jamie@gene.com
**Downstream Processes.** T. Randolph, theodore.randolph@colorado.edu; E. Sahin, erinc.sahin@bms.com
**Drug Product & Delivery.** C. Eckert, carrie.eckert@nrel.gov; G. Sriram, gsriram@umd.edu; M. Antoniewicz, mranton@udel.edu
**Emerging Technologies.** J. Glasse, jarka.glassey@newcastle.ac.uk; R. Godavarti, ranga.godavarti@pfizer.com
**Poster Session.** Y. Chen, yvonne.chen@ucla.edu; J. Kim, ykim@eng.ua.edu; J. Pieracci, john.pieracci@biogen.com
**Quality by Design.** A. Rathore; asrathore@biotechcmz.com; R. Gronke, rob.gronke@biogen.com
**Startup Road: BayBio & Beyond.** T. Meyerrose, todd.meyerrose@gmail.com; G. Bolton, gbolton@amgen.com; A. May, awmay@empllp.onmicrosoft.com
**Upstream Processes.** K. Solomon, kvs@purdue.edu; N. Nair, nikhil.nair@tufts.edu

## BIOLOGICAL CHEMISTRY

**Program Chairs: L. Hedstrom, Brandeis U, MS 009, 415 South St., Waltham, MA 02453, (781) 736-2333, hedstrom@brandeis.edu**

Abstracts due Oct. 31.

**Current Topics.** L. Hedstrom
**Mid-Career Investigators in Biological Chemistry.** L. Hedstrom
**Early Career Investigators in Biological Chemistry.** L. Hedstrom
**Graduate Student & Postdoctoral Fellow Symposium.** L. Hedstrom

## BUSINESS DEVELOPMENT & MANAGEMENT

**Program Chair: D. Daly, 101 AIME Bldg., Box 870204, Alabama Innovation & Mentoring of Entrepreneur Center, U of Alabama, Tuscaloosa, AL 35487, (205) 348-3502, dandaly@ua.edu**

Abstracts due Oct. 31.

## CARBOHYDRATE CHEMISTRY

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

Abstracts due Nov. 7.

**Carbohydrate-Based Hybrid Materials for Nanomedicine** (Cosponsored with CELL). R. Narain, narain@ualberta.ca
**Carbohydrate-Based Nanomaterials & Drug-Delivery Vehicles** (Cosponsored with CELL). Y. Lee, yclee@jhu.edu; W. Vann, wvann@mail.nih.gov
**Gin New Investigator Award.** X. Huang, xuefei@chemistry.msu.edu
**Isbell Award.** X. Huang
**LPS: Chemistry, Synthesis & Applications** (Cosponsored with CELL). P. Wang, pwang11@gsu.edu
**Wolfrom Award.** X. Huang

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.

## CATALYSIS SCIENCE & TECHNOLOGY

**Program Chairs: E. Nikolla, Dept. of Chemical Engineering & Materials Science, Wayne State U, 5050 Anthony Wayne Dr., Detroit, MI, 48202, (313) 577-4159, erandan@wayne.edu; S. Scott, U of California, Dept. of Chemical Engineering, Santa Barbara, CA, 93106-0001, (805) 893-5606, sscott@engineering.ucsb.edu**

Abstracts due Nov. 7.

**Advanced X-Ray Techniques for Catalyst Characterization.** S. Bare, srbare@slac.stanford.edu; A. Karim, amkarim@vt.edu

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

**Catalytic Transformation of Lignocellulosic Biomass to Chemicals, Invited** (Cosponsored with ENFL). M. Abu-Omar, mabuomar@purdue.edu; S. Scott

**Designed Catalysis: Materials Genome Approach to Heterogeneous Processes** (Cosponsored with COMP). K. Challa, challa@chemistry.harvard.edu; C. Friend, friend@fas.harvard.edu; T. Bligaard, bligaard@stanford.edu

**Electrocatalysis for Energy Generation & Storage** (Cosponsored with ENFL). A. Holewinski, adam.holewinski@colorado.edu; C. Wang, chaowang@jhu.edu; J. Snyder, jds43@drexel.edu; H. Xin, hxin@vt.edu

**General Papers.** E. Nikolla; S. Scott

**Light-Driven Chemistry: Photoelectrochemistry & Photocatalysis.** D. Esposito, de2300@columbia.edu; S. Ardo, ardo@uci.edu; G. Dukovic, gordana.dukovic@colorado.edu; I. Sharp, idsharp@lbl.gov

**Operando Spectroscopy of Catalysts.** M. O. Guerrero-Pérez, oguerrero@uma.es; M. Banares, banares@icp.csic.es; F. Tao, franklin.feng.tao@ku.edu

**Poster Session.** E. Nikolla; S. Scott

**Single-Site Heterogeneous Catalysts.** A. Hock, ahock@iit.edu

**Synthesis of Catalysts by Non-Traditional Methods.** A. Alba Rubio, ana.albarubio@utoledo.edu; T. J. Schwartz, thomas.schwartz@maine.edu

## CELLULOSE & RENEWABLE MATERIALS

**Program Chair: M. Roman, Virginia Tech, Dept. of Sustainable Biomaterials, Cheatham Hall, Ste. 230, 310 West Campus Dr., Blacksburg, VA 24061, (540) 231-1421, maren.roman@vt.edu**

Abstracts due Oct. 31.

**Advances in Polysaccharides: Practice & Applications** (Cosponsored with AGFD, CARB & POLY). H. Cheng, hn.cheng@ars.usda.gov; A. Biswas, atanu.biswas@ars.usda.gov

**Bio-based Gels & Porous Materials** (Cosponsored with AGFD, CARB, COLL, PMSE & POLY). F. Liebner, falk.liebner@boku.ac.at; T. Budtova, tatiana.budtova@mines-paristech.fr

**Cellulose Structure & Biosynthesis** (Cosponsored with BIOT, BIOL, CARB & ENFL). N. Carpita, carpita@purdue.edu; H. O'Neill, oneillhm@ornl.gov; P. Langan, langanpa@ornl.gov; D. Cosgrove, dcosgrove@psu.edu; J. Zimmer, jochen_zimmer@virginia.edu

**Chemistry & Physical Chemistry of Thermal Processes for the Circular Carbon Economy** (Cosponsored with ENFL & ENVR). C. Pope, canard@alum.mit.edu; H. Mayes, hbmayes@umich.edu

**Design & Control in Polysaccharide Chemistry: Anselme Payen Award Symposium in honor of Kevin J. Edgar** (Cosponsored with CARB). C. Buchanan, charlesbuchanan@eastman.com; P. Fardim, pedro.fardim@cit.kuleuven.be; O. Rojas, orlando.rojas@aalto.fi

**Developments in the Fields of Celluloses & Lignocelluloses: In honor of Dr. Rajai Atalla** (Cosponsored with AGFD, ANYL & POLY). U. Agarwal, uagarwal@fs.fed.us; T. Larsson, tomas.larsson@innventia.com; A. Isogai, aisogai@mail.ecc.u-tokyo.ac.jp; T. Elder, telder@fs.fed.us

**Frontiers in Glycoanalytics** (Cosponsored with ANYL & CARB). M. Roman; G. Boons, gjboons@ccrc.uga.edu

**Functional Lignocellulosics & Nanotechnology** (Cosponsored with CARB & COLL). M. Peresin, soledad.peresin@vtt.fi; T. Nypelö, tiina.nypeloe@boku.ac.at; I. Filpponen, erkko.filpponen@aalto.fi; S. Spirk, stefan.spirk@tugraz.at; M. Ek, monicaek@kth.se

**General Posters.** M. Roman

**Nanocellulose Processing & Analysis** (Cosponsored with AGFD, ANYL, CHAS & I&EC). M. Bortner, mbortner@vt.edu; W. Hamad, wadood.hamad@fpinnovations.ca; T. Lindström, tom.lindstrom@innventia.com; M. Roman

**New Horizons in Sustainable Materials** (Cosponsored with POLY). S. Renneckar, scott.renneckar@ubc.ca; N. Sathitsuksanoh, sathino@gmail.com; N. Brown, nrb10@psu.edu; M. Laborie, marie-pierre.laborie@biomat.uni-freiburg.de

**Processing & Properties of Biobased Composites & Blends.** J. Barone, jbarone@vt.edu; P. Navard, patrick.navard@mines-paristech.fr

**Reactive Extrusion: Advances at the Nexus of Polymer Processing, Materials Technology & Green Chemistry** (Cosponsored with POLY). A. Ayoub, info@ayoubsciences.org; L. Lucia, lalucia@ncsu.edu

**Valorization of Renewable Resources & Residuals into New Materials & Multiphase Systems** (Cosponsored with AGFD). M. Auad, auad@auburn.edu; O. Rojas; J. Campos-Terán, jcampos@correo.cua.uam.mx

## CHEMICAL EDUCATION

**Program Chairs: T. Miller, Gordon College, Heritage U, 3240 Fort Rd., Toppenish, WA 98948-9562, (509) 865-0421, miller_t1@heritage.edu; I. Levy, Gordon College, Dept. of Chemistry, 255 Grapevine Rd., Wenham, MA 01984, (978) 867-4877, irv.levy@gordon.edu; C. M. Muzzi, De Anza College, Dept. of Chemistry, 21250 Stevens Creek Blvd., Cupertino, CA 95014-5702, (408) 864-5790, muzzicinzia@fhda.edu**

Abstracts due Nov. 7.

**Advances in e-Learning & Online Chemical Education.** P. Sorensen, sorensen@seas.harvard.edu; L. Morsch, lmorsc1@uis.edu; D. Canelas, dorian.canelas@duke.edu

**Advances in Teaching Organic Chemistry.** S. Hornbuckle, susanhornbuckle@clayton.edu

**Advancing Undergraduate Research.** R. M. Jones, rjones22@gmu.edu; B. L. Gourley, bgourley@depauw.edu

**Celebrating Chemistry through Outreach: Honoring the Legacy of Christine Jaworek-Lopes.** D. Wicht, dwicht@suffolk.edu; B. Rios-McKee, beatrizmckee@me.com; I. Levy

**Chemistry Education Research: Graduate Student Research Forum.** J. Donnelly, jdonnelly319@knights.ucf.edu; M. Popova, popovam@miamioh.edu

**Citizens First!** (Cosponsored with CEI) R. Sheardy, rsheardy@mail.twu.edu; C. Maguire, cmaguire@mail.twu.edu

**Communicating Science in the Twenty-First Century to Diversified Audiences** (Cosponsored with CWD). C. Supalo, csupalo@purdue.edu; A. Neybert, crazy4chemistry@att.net

**Course-Based Undergraduate Research Experiences (CUREs) in Chemistry.** J. Heemstra, heemstra@chem.utah.edu; R. Waterman, rory.waterman@uvm.edu

**Current Best Practices for Chemistry REU Programs.** M. Griep, mark.griep@unl.edu

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

**Eliciting Attentiveness from Cyber-Savvy Students without Using Electronic Tools.** C. E. Cannon, ccannon@colum.edu; K. Kostecka, kkostecka@colum.edu

**Embedding Authentic Research into Curricula.** J. Hall Tomasik, tomas1jh@cmich.edu; T. Sivy, tsivy@svsu.edu; D. Karpovich, dsk@svsu.edu; B. Harkness, bernadetteharkness@delta.edu; D. LeCaptain, lecap1dj@cmich.edu

**Eye Tracking Research in Chemistry Education.** S. J.R. Hansen, sjh2115@columbia.edu; J. VandenPlas, vandenpj@gvsu.edu

**From Nanoparticles to Macromolecules: Using Materials to Help Illustrate Core Concepts in Chemistry Laboratory Experiences.** A. Marsh, marsh@lvc.edu

**Fundamentals of Chemistry Outreach Education: From Program Design to Assessment** (Cosponsored with CCA, LSAC, SOCED & YCC). E. Brush, ebrush@bridgew.edu; E. Garcia Sega, emily.garcia-sega@wne.edu; Saritha Nellutla, saritha.nellutla@bridgew.edu

**The General Chemistry Course for a Changing World.** D. A. Katz, dakatz45@msn.com

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

**General Posters.** T. Miller

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

**GSSPC: Water Sustainability: Chemists in Pursuit of Clean Water.** S. Ingram, si274@georgetown.edu; Z. De los Santos, zod2@georgetown.edu; I. Brekalo, ib308@georgetown.edu; S. Sakhaei, zs134@georgetown.edu; A. Adcock, aka75@georgetown.edu; Jenny England, jpe34@georgetown.edu

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

**How Do We Teach Collaboration? Best Practices for Educating Future Researchers & Innovators.** M. Krause, mkrause@umn.edu; B. Hames, bhames@ucsd.edu; M. DeBoever, mchansen@caltech.edu; D. Watt, dwatt@uci.edu

**Innovating Materials for the Next Generation: Bringing Practical Applications into the Chemistry Classroom** (Cosponsored with POLY, PMSE & RUBB). S. Rukes, sherri.rukes@d128.org

**Instructors & Researchers: Advancing Graduate Student Education.** S. Hansen, sjh2115@columbia.edu; G. Bhattacharyya, gautamb@missouristate.edu

**International & Multicultural Perspective** (Cosponsored with IAC). S. Hansen; W. Schatzberg, schatzberg@dixie.edu, C. Cox, ctcox@stanford.edu

**Mass Spectrometry in the Undergraduate Educational Settings.** D. Mencer, donald.mencer@wilkes.edu

**Mathematical Thinking, Language & Conventions in Chemistry Education.** S. Seethaler, sseethaler@ucsd.edu; J. Czworkowski, john.czworkowski@gcccd.edu

**NMR Spectroscopy in the Undergraduate Curriculum.** D. Soulsby, david_soulsby@redlands.edu; L. J. Anna, Laura.Anna@montgomerycollege.edu; A. S. Wallner, twallner@barry.edu

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

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

**Research in Chemistry Education.** D. Cartrette, david.cartrette@sdstate.edu; D. Mulford, douglas.mulford@emory.edu

**Research on Learning in the Lab** (Cosponsored with IAC). S. Sandi-Urena, guillermo.sandiurena@ucr.ac.cr, M.Chrzanowski.mjc238@case.edu

**The Role of Research Experiences in the ACS Certified Degree.** T. Wenzel, twenzel@bates.edu

**Simulations, Animations & other Visualizations in Educating About Chemistry: SAVE Chemistry!** R. Kelly, resa.kelly@sjsu.edu; R. Tasker, rtasker@purdue.edu

**State of the Art: Applying Chemistry Education Research to Practice.** P. Daubenmire, pdauben@luc.edu; D. Herrington, herringd@gvsu.edu

**Strategies Promoting Success of Two-Year College Students.** T. Higgins, thhiggins@nsf.gov; L. J. Anna; A. Palmer, alycia.palmer@montgomerycollege.edu

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

**Teaching Organic Chemistry for Biology/Pre-Med Majors.** R. Swisher, ron.swisher@oit.edu; T. Lund, travis.lund@oit.edu

**Undergraduate Laboratory Experiments Involving Advanced Materials.** W. Miller, millerw@scc.losrios.edu

**Undergraduate Research Papers** (Cosponsored with SOCED). C. Gauthier, cgauthier@flsouthern.edu; N. Synder; 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

**Undergraduate Research Posters: Biochemistry** (Cosponsored with BIOL & SOCED). N. DiFabio

**Undergraduate Research Posters: Biotechnology** (Cosponsored with BIOT & SOCED). N. DiFabio

**Undergraduate Research Posters: Chemical Education** (Cosponsored with SOCED). N. DiFabio

**Undergraduate Research Posters: Computational Chemistry** (Cosponsored with COMP & SOCED). N. DiFabio

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

**Undergraduate Research Posters: Environmental Chemistry** (Cosponsored with ENVR & SOCED). N. DiFabio
**Undergraduate Research Posters: Geochemistry** (Cosponsored with GEOC & SOCED). N. DiFabio
**Undergraduate Research Posters: Green Chemistry & Sustainability** (Cosponsored with CEI & SOCED). N. DiFabio
**Undergraduate Research Posters: Inorganic Chemistry** (Cosponsored with INOR & SOCED). N. DiFabio
**Undergraduate Research Posters: Medicinal Chemistry** (Cosponsored with MEDI & SOCED). N. DiFabio
**Undergraduate Research Posters: Nanochemistry** (Cosponsored with SOCED). N. DiFabio
**Undergraduate Research Posters: Organic Chemistry** (Cosponsored with SOCED). N. DiFabio
**Undergraduate Research Posters: Physical Chemistry** (Cosponsored with SOCED). N. DiFabio
**Undergraduate Research Posters: Polymer Chemistry** (Cosponsored with PMSE, POLY & SOCED). N. DiFabio
**Using Chemistry Education Research to Inform the Design & Use of Assessment Materials.** J. Reed, reedjj@uwm.edu; S. Villafane Garcia, svillafa@mail.usf.edu
**Writing in Chemistry.** A. Moon, almoon@umich.edu, S. Finkenstaedt-Quinn, quinnsa@umich.edu

## 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@cableone.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. 31.
**Ask Dr. Safety: Preparing Useful Standard Operating Procedures, Invited** (Cosponsored with CCS). N. Langerman, neal@chemical-safety.com; H. Elston, helston@midwestchemsafety.com
**Best Practices in Selecting & Presenting Safety Training Content** (Cosponsored with CCS). F. Wood-Black; D. Decker
**Cannabis: Emerging Challenges in Regulations, Product Analysis & Processing** (Cosponsored with CCS & SCHB). E. Pryor, ezra.pryor@gmail.com; J. Marcu, jahan.marcu@gmail.com
**Early Impacts of the Lautenberg Chemical Safety Act** (Cosponsored with CCS). J. Pickel
**Health & Safety Posters** (Cosponsored with CCS). J. Pickel
**Information Flow in Environmental Health & Safety** (Cosponsored with CCS & CINF). R. Stuart, ralph.stuart@keene.edu
**What Have We Learned & Where Are We Going: Post-Settlement in the University of California** (Cosponsored with CCS). D. Decker; J. Palmer, bwong1313@gmail.com

## CHEMICAL INFORMATION

**Program Chair: E. Alvaro, Northwestern U, Seeley Mudd Library, 2233 Tech Dr., Evanston, IL 60208, (217) 722-1971, elsa.alvaro@northwestern.edu**

Abstracts due Oct. 31.
**Advanced Materials: Data Characterization & Application** (Cosponsored with COMP). L. McEwen, lrm1@cornell.edu; E. Bolton, bolton@ncbi.nlm.nih.gov; S. Chalk, schalk@unf.edu
**Advances in Data Visualization.** E. Davis, erinsdavis@gmail.com
**Advances in High-Throughput Screening** (Cosponsored with COMP & MEDI). S. Sirimulla, ssirimulla@utep.edu; R. Bienstock, rachelleb1@gmail.com
**Assessment of Chemistry Collections & Services.** V.F. Scalfani, vfscalfani@ua.edu; A. Twiss-Brooks, atbrooks@uchicago.edu
**Careers in Chemical Information.** S.K. Cardinal, scardinal@library.rochester.edu; K. D. Deards, kdeards2@unl.edu
**CINF Scholarships for Scientific Excellence: Student Poster Competition.** S. Chalk
**General Papers.** E. Alvaro
**Managing Big Data in the Cloud Environment: Policies & Security Challenges.** S. Sirimulla
**Materials Informatics & Computational Modeling** (Cosponsored with COMP & POLY). R. Bienstock; M. Pasquinelli, melissa_pasquinelli@ncsu.edu
**Open Access: Current Landscape, Challenges & Future Directions.** Y. Li, liye@umich.edu; G. Baysinger, graceb@stanford.edu; E. Kajosalo, kajosalo@mit.edu
**Public-Private Partnerships: Fostering Drug Discovery & Data Sharing** (Cosponsored with COMP). B. Bunin, bbunin@collaborativedrug.com; R. Bienstock
**Text-Mining & Natural Language Processing for Chemical Information: From Documents to Knowledge.** J. Nauss, jeff.nauss@linguamatics.com; R. Bienstock
**Textbooks & the Practice of Science: Before, During & After Gutenberg** (Cosponsored with CHED & HIST). R. Belford, rebelford@ualr.edu; T. Gupta, tanya.gupta@sdstate.edu; G. Patterson, gp9a@andrew.cmu.edu
**The Write Thing to Do: Ethical Considerations in Authorship & the Assignment of Credit** (Cosponsored with CHED & ETHC). J. Currano, currano@pobox.upenn.edu; P. Mabrouk, p.mabrouk@neu.edu

## CHEMICAL TOXICOLOGY

Will not meet in San Francisco.

## 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. Ste. 3200, Des Moines, IA 50309, (515) 288-3667, jonathan.kennedy@ipmvs.com**

Abstracts due Oct. 31.
**The Many Faces of CHAL: Where Chemistry Meets the Law.** K. Bianco; J. Kennedy

## 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 Nov. 4.
**Applied Biosensing Based on Functional Colloids.** W. Parak, wolfgang.parak@physik.uni-marburg.de; L.M. Liz-Marzán, llizmarzan@cicbiomagune.es; R. Alvarez Puebla, ramon.alvarez@urv.cat; J. Sagalés, jsagales@medcomtech.es; G. Strouse, strouse@chem.fsu.edu
**Basic Research in Colloids, Surfactants & Nanomaterials.** R. Nagarajan
**Biomembrane Synthesis, Structure, Mechanics & Dynamics.** S. Muralidharan, subra.murali@ucdavis.edu; A. Parikh, anparikh@ucdavis.edu; M. Nieh, mu-ping.nieh@ims.uconn.edu; J. Katsaras, katsarasj@ornl.gov; N. Srividya, nsrividya@gmail.com
**Chemistry & Physics of Tribology.** M. Ruths, marina_ruths@uml.edu; F. Mangolini, f.mangolini@leeds.ac.uk
**Coacervation: Physics, Chemistry & Biology.** P. Dubin, dubin@chem.umass.edu; R. Stewart, russell.stewart@utah.edu
**Colloidal Nanoparticle Synthesis & Assembly.** H. Fan, hfan@sandia.gov; Y. Sun, ygsun@temple.edu; S. Wu, songtao.wu@tema.toyota.com; H. Htoon, htoon@lanl.gov
**Fundamental Research in Colloids, Surfaces & Nanomaterials.** R. Nagarajan
**Hierarchical Self-Assembly of Organic Monolayers, Bilayers & Films: Theory & Experiment.** S. Tait, tait@indiana.edu; A. Flood, aflood@indiana.edu
**Interfacial Phenomena & the Oil-Water Interface.** C. Acevedo-Velez, cacevedo@dow.com; C.E. Mohler, cemohler@dow.com; C.J. Tucker, cjtucker@dow.com
**Molecular Surface Science, Nanomaterials & Catalysis: Symposium in honor of Gabor Somorjai at 80.** R. Nagarajan
**Nanoscale Chemical Patterning & Characterization.** S.A. Claridge, claridge@purdue.edu; W. Liao, wsliaochem@ntu.edu.tw
**Nanostructure Engineering & Surface Chemistry for Spectroscopy, Imaging & Alternative Energy Harvesting & Conversion.** S. Pan, span1@bama.ua.edu; N. Hammer, nhammer@olemiss.edu

## COMPUTERS IN CHEMISTRY

**Program Chairs: H.L. Woodcock, U of South Florida, Dept. of Chemistry, 4202 E. Fowler Ave., Tampa, FL 33620, (813) 974-9239, hlw@usf.edu; M. Feig, Michigan State U, 218 Biochemistry, East Lansing, MI, 48824, (517) 432-7439, feig@msu.edu; J. Shen, U of Maryland-Baltimore, Dept. of Pharmaceutical Sciences, 20 Penn St., Baltimore, MD 21201, (410) 706-4187, jshen@rx.umaryland.edu**

Abstracts due Oct. 31.
**Allosteric Interactions & Regulation of Complex Biomolecular Systems: From Proteins to Cell Signaling** (Cosponsored with PHYS). G.M. Verkhivker, verkhivk@chapman.edu; C.A. Chang, chiaenc@ucr.edu
**Catalytic Materials from Molecular Insight** (Cosponsored with CATL & PHYS). B. Liu, binliu@ksu.edu; K. Honkala, karoliina.honkala@jyu.fi
**Chemical Computing Group Graduate Student Travel Awards.** K. Kirschner, k.n.kirschner@gmail.com; C. Simmerling, carlos.simmerling@gmail.com
**COMP Poster Session.** H. L. Woodcock
**Computational Studies of Water.** D. Sindhikara, sindhikara@gmail.com
**Computer-Aided Peptide Design** (Cosponsored with CINF). Q. Deng, qiaolin_deng@merck.com; S. Ha, sookhee_ha@merck.com
**Data Science Challenges in Computational Chemistry** (Cosponsored with CINF). M. Feig; C. Simmerling; G. Vacek, gvacek@ddn.com
**Drug Design.** Y. J. Tseng, yjtseng@csie.ntu.edu.tw; M. Landon, lissland@gmail.com
**Material Science.** C. Aikens, cmaikens@ksu.edu
**Molecular Mechanics.** M. Feig
**NVIDIA GPU Award.** C. Simmerling; M. Berger, mberger@nvidia.com
**OpenEye Outstanding Junior Faculty Award.** C. Simmerling
**Quantum Mechanics.** A. E. DePrince, III; deprince@chem.fsu.edu
**Strong Electron Correlation & Nonadiabatic Dynamics** (Cosponsored with PHYS). A. E. DePrince, III; G. Gidofalvi, gidofalvi@gonzaga.edu; E. G. Hohenstein, ehohenstein @ccny.cuny.edu
**Undergraduate Research & National Meeting Roundtable.** M. Nagan, mnagan@adelphi.edu; E. Sherer, edward_sherer@merck.com
**Wiley Computers in Chemistry Outstanding Postdoc Award.** C. Simmerling

## ENERGY & FUELS

**Program Chairs: D. Heldebrant, Pacific Northwest National Laboratory, P.O. Box 999, Richland, WA 99352, (509) 372-6359, heldebrant@gmail.com**

Abstracts due Oct. 31.
**13th International Symposium on Heavy Oil Upgrading, Production & Characterization.** J. Adams, jeramie.adams@uwyo.edu
**Advanced Analytical Techniques for Determination of Minor & Trace Elements in Petroleum Value Chain.** J. Nelson, jenny_nelson@agilent.com; F. Lopez-Linares, flhu@chevron.com; J. Casey, jfcasey@uh.edu

**Advanced Materials & Technologies for Lithium Batteries.** J. Guo, jguo@engr.ucr.edu

**Advanced Nanomaterials & Technologies for Solar Energy Conversion & Storage.** R. Koodali, ranjit.koodali@usd.edu; Y. Hu, yunhangh@mtu.edu; H. Wang, wangh1@ornl.gov

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

**Applications of X-Ray & Neutron Scattering Techniques in Energy Technologies** (Cosponsored with ANYL). R. Winans, rewinans@anl.gov; K. Herwig, herwigkw@ornl.gov

**Biomass & Biofuel Processing** (Cosponsored with CELL). J. Fu, jinxiafu@hawaii.edu; S. Turn, sturn@hawaii.edu

**C1 Catalysis** (Cosponsored with CATL). J. Spivey, jjspivey@lsu.edu; K. Ding, kunlunding@gmail.com; N. Kumar, nitinkr41@gmail.com

**Catalysis for Unconventional Energy Sources** (Cosponsored with CATL). X. Wang, xianqin.wang@njit.edu; Y. Hu

**Computations for $CO_2$ Capture, Conversion & Sequestration** (Cosponsored with CATL, COMP & GEOC). V. Glezakou, vanda.glezakou@pnnl.gov; R. Rousseau, roger.rousseau@pnnl.gov

**Enhanced Extraction & Utilization of Unconventional Energy Sources: Hydrofracking, EOR & Novel Approaches.** C. Fernandez, carlos.fernandez@pnnl.gov; M. Reynolds, mike.reynolds@shell.com

**Functional Porous Materials for Sustainable Energy** (Cosponsored with CATL). R. Motkuri, radhakishan.motkuri@pnnl.gov; N. Rosi, nrosi@pitt.edu

## ENVIRONMENTAL CHEMISTRY

**Program Chairs: S. Obare, Dept. of Chemistry, Western Michigan U, 1903 W. Michigan Ave., Kalamazoo, MI 49008, (269) 387-2923, sherine.obare@wmich.edu; S. Al-Abed, US EPA, 26 W Martin Luther King Dr., Cincinnati, OH, 45268, (513) 569-7849, al-abed.souhail@epa.gov**

Abstracts due Oct. 31.

**Advances in Resource Recovery & Conservation in Water Systems.** (Oral & Poster submissions.) T. Boyer, thboyer@asu.edu; L. Blaney, blaney@umbc.edu

**Applications of Cheminformatics & Computational Chemistry in Environmental Health.** (Oral & Poster submissions.) A. J. Williams, williams.antony@epa.gov; C. Grulke, grulke.chris@epa.gov

**Aquatic Photochemistry** (Cosponsored with GEOC). (Oral & Poster submissions.) K. McNeill, kristopher.mcneill@env.ethz.ch; W. Arnold, arnol032@umn.edu; V. Lin, vivian.lin@usys.ethz.ch

**Bioprocesses for Engineered Nanomaterials in Soil-Plant Systems.** (Oral & Poster submissions.) Y. Yang, yuy@unr.edu; J. White, jason.white@ct.gov; B. Xing, bx@umass.edu

**Chemical Principles of Environmental, Cellular & Organismal Nanotoxicology** (Cosponsored with COLL). (Oral & Poster submissions.) B. Gilbert, bgilbert@lbl.gov; S. Lehman, sylvia.lehmann@ujf-grenoble.fr; L. Charlet, charlet38@gmail.com; J. Simonato, jeanpierre.simonato@cea.fr; C. Celle, caroline.celle@cea.fr; C. Vulpe, cvulpe@ufl.edu

**Chemistry & Application of Advanced Oxidation Processes for Water Detoxification, Treatment & Reuse.** (Oral & Poster submissions.) G. Li Puma, g.lipuma@lboro.ac.uk; D. Dionysiou, dionysios.d.dionysiou@uc.edu; K. O'Shea, osheak@fiu.edu; D. Minakata, dminakat@mtu.edu; X. Quan, quanxie@dlut.edu.cn; X. He, xuexiang.he@lvvwd.com

**Chemistry of Water Treatment from Sorption to Taste & Odor: Symposium Honoring the Contributions of Mel Suffet.** J. Pedersen, joelpedersen@wisc.edu; F. Rosario-Ortiz, fernando.rosario@colorado.edu; M. McGuire, mike@michaeljmcguire.com

**Clay Minerals Selectivity & Its Environmental Applications.** (Oral & Poster submissions.) M. Elsayed, mohamed.elsayed@sdstate.edu

**Contaminants in Coastal & Estuarine Ecosystems** (Cosponsored with AGRO). (Oral & Poster submissions.) K. Armbrust, armbrust@lsu.edu; P. Sarajampour, psaran1@lsu.edu

**Contaminants of Emerging Concern in Natural & Engineered Systems.** (Oral & Poster submissions.) L. Blaney; A. Hernandez-Maldonado, arturoj.hernandez@upr.edu

**Environmental Chemistry: Undergraduate & Graduate Classroom, Laboratory & Local Community Learning Experiences** (Cosponsored with ANYL & CHED). (Oral & Poster submissions.) M. Benvenuto, benvenma@udmercy.edu; E. Roberts-Kirchhoff, robkires@udmercy.edu

**From the Bench to the Field & Back: Evaluating Success of Innovative Environmental Site Remediation & Detection Technologies.** (Oral & Poster submissions.) H. Henry, henryh@niehs.nih.gov; S. Al-Abed

**General Posters.** S. Obare; S. Al-Abed

**Green Chemistry Adoption: Progressive Changes by Different Industry Sectors.** (Oral & Poster submissions.) N. Vaidya, neelamv@viridischem.com; S. Obare

**Have Great Lakes Restoration Programs Been Successful? The Case of Legacy & Emerging Pollutants.** (Oral & Poster submissions.) J. Pagano, james.pagano@oswego.edu; K. Hornbuckle, keri-hornbuckle@uiowa.edu

**Identification & Screening of Emerging Organic Contaminants in the Environment by Accurate Mass High Resolution Mass Spectrometry.** (Oral & Poster submissions.) T. Young, tyoung@ucdavis.edu; T. Anumol, tarun.anumol@agilent.com; R. Marfil Vega, ruth.marfilvega@amwater.com

**Innovative Materials & Technologies for Sustainable Water Purification.** (Oral & Poster submissions.) E. Cates, ecates@clemson.edu; B. Chaplin, chaplin@uic.edu; J. Choe, choe.jongkwon@gmail.com; J. Liu, jinyong.liu@gmail.com; D. Shuai, danmengshuai@gwu.edu; W. Zhang, wzhang81@njit.edu

**Integrated & Sustainable Environmental Remediation.** (Oral & Poster submissions.) S. Brar, satinder.brar@ete.inrs.ca; R. Galvez, rosa.galvez@gci.ulaval.ca; M. Clédon, maximiliano.cledon@ete.inrs.ca; V. Oyanedel-Craver, craver@uri.edu

**New Challenges in Environmental Chemistry: Marine Ecosystems & Microplastics.** (Oral & Poster submissions.) A. Kahl, afk12@psu.edu

**Novel Membrane Materials & Processes for Water Purification.** (Oral & Poster submissions.) D. Jassby, djassby@engr.ucr.edu; B. Mi, mib@berkeley.edu

**Oxidation Processes, Nanoparticles & Membranes in Water & Wastewater Treatment: Symposium in Honor of Prof. Jun Ma.** V. Sharma, vsharma@sph.tamhsc.edu; D. Dionysiou; J. Fang, fangjy3@mail.sysu.edu.cn

**Pollution of Urban Estuaries: Recent Advances in Monitoring & Interpretation.** (Oral & Poster submissions.) J. Meador, james.meador@noaa.gov; D. Muir, derek.muir@canada.ca; R. Sutton, rebeccas@sfei.org

**Processes, Technologies & Sensors for Food-Energy-Water Nexus Research.** (Oral & Poster submissions.) N. Rao, nrao@epri.com; S. Bushart, sbushart@epri.com; W. Cooper, wjcooper@nsf.org

**Sulfidation of Metal-Based Engineered & Natural Nanomaterials: Implications for Their Fate & Effects in the Environment.** (Oral & Poster submissions.) Y. Bi, yuqiangb@asu.edu; D. Fan, fan.dimin@epa.gov; P. Westerhoff, p.westerhoff@asu.edu; P. Tratnyek, tratnyek@ohsu.edu

**Surface Water & Pesticides: Monitoring, Modeling & Mitigation.** (Oral & Poster submissions.) K. Goh, kean.goh@cdpr.ca.gov; Y. Luo, yuzhou.luo@cdpr.ca.gov

**Understanding Dissolved Organic Matter Reactivity: Symposium in Honor of George Aiken, the DOM Whisperer.** Y. Chin, chin.15@osu.edu; D. McKnight, diane.mcknight@colorado.edu

**Water Monitoring.** (Oral & Poster submissions.) P. Schorr, capitolgateway@yahoo.com

**Whole Organism Metrology to Support Nanotoxicology Research in the Environment.** (Oral & Poster submissions.) M. Johnson, monique.johnson@nist.gov; S. Hanna, shannon.hanna@nist.gov; C. Sims, christopher.sims@nist.gov; B. Nelson, bryant.nelson@nist.gov

## FLUORINE CHEMISTRY

**Program Chair: N. Vasdev, Harvard Medical School, Division of Nuclear Medicine & Molecular Imaging, 55 Fruit St., White 427, Boston, MA 02114, (617) 643-4736, vasdev.neil@mgh.harvard.edu**

Abstracts due Oct. 31.

**ACS Award for Creative Work in Fluorine Chemistry.** (Oral & Poster submissions.) N. Vasdev

**General Papers.** (Oral & Poster submissions.) N. Vasdev

## GEOCHEMISTRY

**Program Chair: A. Ilgen, Sandia National Laboratories, Dept. of Geochemistry, MS-0754, PO Box 5800, Albuquerque, NM 87185-0100, (505) 284-1393, agilgen@sandia.gov**

Abstracts due Oct. 31.

**Advances in Treatment Processes for Metals & Metalloids** (Cosponsored with ENVR). (Oral & Poster submissions.) C. Wildman, cwildman@geosyntec.com; K. Campbell-Hay, kcampbell@usgs.gov

**Biogeochemistry of Unconventional Oil & Gas** (Cosponsored with ENVR). (Oral & Poster submissions.) D. Alessi, alessi@ualberta.ca; S. Flynn, flynn1@ualberta.ca

**Contaminants Transport, Uptake & Remediation at Contaminated Sites** (Cosponsored with ENVR). (Oral & Poster submissions.) B. Jeon, bhjeon@hanyang.ac.kr; Y. S. Ok, soilok@kangwon.ac.kr; D. Tsang, dan.tsang@polyu.edu.hk; M. Kurade, mayurkurade@hanyang.ac.kr

**Evolving Nanoparticle Reactivity throughout Nucleation, Growth & Dissolution** (Cosponsored with COLL & ENVR). (Oral & Poster submissions.) J. Soltis, jennifer.soltis@pnnl.gov; M. Conroy, michele.conroy@pnnl.gov; F. Smith, frances.smith@pnnl.gov; L. Penn, rleepenn@umn.edu

**Formation, Structure & Reactivity of Biogenic Minerals.** (Oral & Poster submissions.) O. Duckworth, owduckwo@ncsu.edu; J. Pena, jasquelin.pena@unil.ch; M. Polizzotto, matt_polizzotto@ncsu.edu; C. Santelli, santelli@umn.edu

**General Geochemistry.** (Oral & Poster submissions.) A. Ilgen

**Microbially-Driven Geochemical Reactions: Kinetics & Communities.** (Oral & Poster submissions.) W. D. Burgos, WDB3@engr.psu.edu; B. Tebo, tebob@ohsu.edu; C. Hansel, chansel@whoi.edu; J. Sanchez Espana, j.sanchez@igme.es; D. Jones, ds-jones@umn.edu

**Mineral-Water Interface Chemistry: A Tribute to Glenn Waychunas** (Cosponsored with COLL & ENVR). (Oral & Poster submissions.) B. Gilbert, bgilbert@lbl.gov; C. Kim, cskim@chapman.edu; P. O'Day, poday@ucmerced.edu

**Mineral-Water Interface Chemistry: General Session** (Cosponsored with COLL & ENVR). (Oral & Poster submissions.) J. Bracco, jbracco@anl.gov; S. Higgins, steven.higgins@wright.edu; S. Soo Lee, sslee@anl.gov

**Mineral Nucleation: Transient Intermediates & Phase Transitions.** (Oral & Poster submissions.) S. Riechers, shawn.riechers@pnnl.gov; B. Legg, benjamin.legg@pnnl.gov

**Pore-Scale Geochemical Processes & the Implications to $CO_2$ Geologic Storage.** (Oral & Poster submissions.) H. Deng, hangdeng@lbl.gov; C. Steefel, cisteefel@lbl.gov; S. Molins, smolins@lbl.gov

**Redox-Driven Environmental Geochemical Reactions for Metals, Major Elements & Organic Pollutants.** (Oral & Poster submissions.) Y. Yang, yuy@unr.edu; E. Roden, eroden@geology.wisc.edu

**Structure & Reactivity of Cementitious Materials from Advanced Characterization Techniques.** (Oral & Poster submissions.) B. Ma, bin.ma@ujf-grenoble.fr; N. Garg, nishantg@princeton.edu; A. Fernandez-Martinez, alex.fernandez-martinez@univ-grenoble-alpes.fr; C. E. White, whitece@princeton.edu

**Structure, Properties & Applications of Minerals with Layered Structure.** (Oral & Poster submissions.) R. Shivaramaiah, radshiv@ucdavis.edu; N. Birkner, nbirkner@ucmerced.edu; G. P. Nagabhushana, ngp@ucdavis.edu

## HISTORY OF CHEMISTRY

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

Abstracts due Nov. 7.

**Chemistry through the Eyes of Non-Chemists: Evolution of the Public Perception of Chemistry.** N. Tsarevsky, nvt@smu.edu; D. Rabinovich, drabinov@uncc.edu

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

**Golden Age of Industrial Chemistry** (Co-sponsored with SCC & YCC). M. Grandbois, grandboismatthew@gmail.com; E. Simpson, jesimpson@cpp.edu
**HIST Tutorial & General Papers.** S. Rasmussen
**Science & Legacy of Glenn Seaborg.** J. Hayes, jmhayesacs@gmail.com

## INDUSTRIAL & ENGINEERING CHEMISTRY

**Program Chair: E. Rosenberg, U of Montana, Dept. of Chemistry, Missoula, MT 59812-0001, (406) 243-2592, edward.rosenberg@mso.umt.edu**

Abstracts due Oct. 31.
**2016 E.V. Murphree Award in Industrial & Engineering Chemistry, Invited.** Y. Shao-Horn, shaohorn@mit.edu
**2017 ACS Sustainable Chemistry & Engineering Lectureship Awards, Invited.** M. Abraham, maabraham01@ysu.edu
**2017 E.V. Murphree Award in Industrial & Engineering Chemistry, Invited.**
**General Papers.** E. Rosenberg
**General Posters.** E. Rosenberg
**I&EC Division Early Career Fellow Symposium: Honoring Dr. Leigh Martin.** G. Fugate, fugatega@ornl.gov
**I&EC Division Fellow Award Symposium: Honoring Professor Klaus Jensen.**
**I&EC International Fellow Symposium: Honoring Professor Kew-Ho Lee, Invited.** J. Dong, junhang.dong@uc.edu
**Ionic Liquids in Separations & Analysis, Invited.** C. Hawkins, cahawkins@tntech.edu; M. Dietz, dietzm@uwm.edu
**ACS Award in Separations Science & Technology, Invited.**
**Symposium in honor of Michelle Cummings, ACT Fellow, Invited.** J. McDonald, joel.mcdonald@dowcorning.com

## INORGANIC CHEMISTRY

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

Abstracts due Oct. 31.
**ACS Awards in Inorganic Chemistry: Plenary Session.** J. Protasiewicz, protasiewicz@case.edu; N. Radu; S. Koch
**Bioinorganic Chemistry: DNA, RNA & Inorganic Drugs.** (Oral & Poster submissions.) S. Koch
**Bioinorganic Chemistry: Proteins & Enzymes & Model Systems.** (Oral & Poster submissions.) S. Koch
**Celebrating 60 years of the Division of Inorganic Chemistry.** (Oral & Poster submissions.) D. Crans, debbie.crans@colostate.edu
**Chemistry is Central to Applied Materials.** (Oral & Poster submissions.) C. Bertozzi, bertozzi@stanford.edu; C. Chang, chrischang@berkeley.edu; M. Paley, m_paley@acs.org
**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
**Deposition & Etching of Nanostructures.** (Oral & Poster submissions.) L. McElwee-White, lmwhite@chem.ufl.edu; H. Fairbrother, howardf@jhu.edu; A. Walker, amy.walker@utdallas.edu
**Electrochemistry.** (Oral & Poster submissions.) B. Lucht, blucht@chm.uri.edu
**Emergent Phenomena in the Solid State.** (Oral & Poster submissions.) B. Melot, melot@usc.edu; E. Rodriguez, efrain@umd.edu
**Environmental & Energy-Related Inorganic Chemistry.** (Oral & Poster submissions.) S. Koch
**Inorganic Catalysts.** (Oral & Poster submissions.) S. Koch
**Inorganic Nanomaterials: Structure & Function in 0, 1 & 2 Dimensions.** (Oral & Poster submissions.) E. McLaurin, mclaurin@ksu.edu; K. Kittilstved, kittilstved@chem.umass.edu
**Inorganic Spectroscopy.** (Oral & Poster submissions.) C. Popescu, cpopescu@colgate.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
**Nanoscience.** (Oral & Poster submissions.) B. Trewyn, btrewyn@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
**Spectroscopic Elucidation of Metalloenzyme Mechanism: Current Successes & Future Challenges.** (Oral & Poster submissions.) J. Telser, jtelser@roosevelt.edu; V. DeRose, derose@uoregon.edu
**Sustainability in Electrocatalytic Fuel & Chemical Production.** (Oral & Poster submissions.) J. Dempsey, dempseyj@email.unc.edu; L. Berben, laberben@ucdavis.edu
**Switchable Catalysts.** (Oral & Poster submissions.) P. Diaconescu, pld@chem.ucla.edu; J. Byers, jeffery.byers@bc.edu
**Undergraduate Research at the Frontiers of Inorganic Chemistry.** (Oral & Poster submissions.) C. Nataro, nataroc@lafayette.edu; S. Smith, sheilars@umich.edu; A. Bentley, bentley@lclark.edu

## MEDICINAL CHEMISTRY

**Program Chair: A. Stamford, Merck Research Laboratories, RY800-A330, 126 E. Lincoln Ave., Rahway, NJ 07065-4607, (973) 868-2088, andy.stamford1@gmail.com**

Abstracts due Oct. 31.
**Actually it does Work: Success with Allosteric Kinase Ligands & Phosphatase Modulators.** J. Schwarz, schwarz.jacob@gene.com; R. Moslin, ryan.moslin@bms.com; D. Weinstein, david.weinstein@bms.com; L. Lombardo, louis.lombardo@bms.com
**Antibiotic Drug Discovery: The Next Frontier.** C. Meyers, cmeyers@jhmi.edu; E. Brown, ebrown@mcmaster.ca
**Drug Discovery for ALS: Putting the Ice Bucket to Work.** G. Dubowchik, gene.dubowchik@bms.com; L. Bruijn, lucie@alsa-national.org
**First-Time Disclosures.** J. Schwarz
**General Orals.** A. Stamford
**General Posters.** A. Stamford
**Kinase Inhibitors for Immuno-Inflammatory Diseases.** J. Ramanjulu, joshi.m.ramanjulu@gsk.com
**Macrocycles & Cyclopeptides in Medicinal Chemistry.** M. Blanco, blanco_maria@lilly.com
**MEDI Awards Symposium.** A. Stamford
**Medicinal Chemists' Toolbox: Factors Influencing Oral Bioavailability & Case Studies.** K. Yeung, kapsun.yeung@bms.com; P. Scola, paul.scola@bms.com; N. Meanwell, nicholas.meanwell@bms.com
**Misfolded Proteins in Neurodegenerative Diseases.** A. Walji, abbas_walji@merck.com
**Residence Time: Not Just Affinity for Drug Design.** B. Blagg, bblagg@ku.edu; P. Tonge, peter.tonge@stonybrook.edu
**Targeting Epigenetic Writers & Erasers.** J. Jin, jian.jin@mssm.edu

## NUCLEAR CHEMISTRY & TECHNOLOGY

**Program Chair: A. Hixon, U of Notre Dame, Civil, Environmental Engineering & Earth Sciences, 301 Stinson-Remick Hall of Engineering, Notre Dame, IN 46556, (574) 631-1872, ahixon@nd.edu**

Abstracts due Oct. 31.
**Advanced Actinide Materials: Nanostructure, Complexity & Extreme Environments.** P. Burns, pburns@nd.edu; G. Sigmon, gsigmon@nd.edu
**Archaeometry in Nuclear Chemistry.** R. Popelka-Filcoff, rachel.popelkafilcoff@flinders.edu.au
**Glenn T. Seaborg Award for Nuclear Chemistry.** W. J. Evans, wjevans@uci.edu
**Frontiers in Heavy Element Electronic Structure: A Tribute to Bruce Bursten.** D. Clark, dlclark@lanl.gov; D. Shuh, dkshuh@lbl.gov; L. Soderholm, ls@anl.gov
**General Topics in Nuclear Chemistry & Technology.** (Oral & Poster submissions.) L. Delmau, delmaulh@ornl.gov; A. Hixon
**Nuclear & Radiochemistry Summer School: Past, Present & Future.** D. Ensor, densor @tntech.edu; J.D. Robertson, robertsonjo@missouri.edu
**Nuclear Fission.** T. Bredeweg, toddb@lanl.gov; R. Rundberg, rundberg@lanl.gov
**Young Investigators in Nuclear & Radiochemistry.** A. Hixon

## ORGANIC CHEMISTRY

**Program Chairs: R. Broene, Bowdoin College, Chemistry Dept., 6600 College Sta., Brunswick, ME 04011, (207) 725-3626, rbroene@bowdoin.edu; S. Silverman, Merck Research Laboratories, 126 E. Lincoln Ave., RY800-A369, PO Box 2000, Rahway, NJ 07065, (732) 594-1997, steven.silverman@merck.com**

Abstracts due Oct. 31.
**Advanced Materials Technologies, Systems & Processes.** (Oral & Poster submissions.) R. Broene, S. Silverman
**Asymmetric Reactions & Syntheses.** (Oral & Poster submissions.) R. Broene, S. Silverman
**Biologically Related Molecules & Processes.** (Oral & Poster submissions.) R. Broene, S. Silverman
**Chemistry of Fullerenes, Carbon Nanotubes & Graphene.** (Oral & Poster submissions.) R. Broene, S. Silverman
**Flow Chemistry & Continuous Processes.** (Oral & Poster submissions.) R. Broene, S. Silverman
**Heterocycles & Aromatics.** (Oral & Poster submissions.) R. Broene, S. Silverman
**Materials, Devices & Switches.** (Oral & Poster submissions.) R. Broene, S. Silverman
**Metal-Mediated Reactions & Syntheses.** (Oral & Poster submissions.) R. Broene, S. Silverman
**Molecular Recognition & Self-Assembly.** (Oral & Poster submissions.) R. Broene, S. Silverman
**Nanomaterials.** (Oral & Poster submissions.) R. Broene, S. Silverman
**New Reactions & Methodology.** (Oral & Poster submissions.) R. Broene, S. Silverman
**Peptides, Proteins & Amino Acids.** (Oral & Poster submissions.) R. Broene, S. Silverman
**Physical Organic Chemistry: Calculations, Mechanisms, Photochemistry & High-Energy Species.** (Oral & Poster submissions.) R. Broene, S. Silverman
**Total Synthesis of Complex Molecules.** (Oral & Poster submissions.) R. Broene, S. Silverman

## PHYSICAL CHEMISTRY

**Program Chair: J. Shea, U of California Santa Barbara, Dept. of Chemistry 9510, Santa Barbara, CA 93106-9510, (805) 893-5604, shea@chem.ucsb.edu**

Abstract due Oct. 31.
**Dynamics & Structure of Molecular Fluids: Honoring the Work & Life of Branka Ladanyi.** N. Levinger, nancy.levinger@colostate.edu; A. Krummel, akrumb@gmail.com
**Expanding the Frontiers in Condensed Phase Astrochemistry: Electron Transfer Processes in Ices & Catalysis on Interstellar Grains.** R. Kaiser, ralfk@hawaii.edu; M. Gudipati, gudipati@umd.edu

**Long Range Correlated Motions in Proteins.** A. Markelz, amarkelz@buffalo.edu
**Multicenter Molecules & Coupled Molecular Assemblies: Synthesis, Characterization & Theory** (Cosponsored with INOR). S. Corcelli, steven.a.corcelli.1@nd.edu; K. Henderson, khenders@nd.edu
**PHYS Poster Session.** J. Shea
**Plasmonic Nanomaterials: From Physical Chemistry Fundamentals to Societal Impacts** C. Murphy, murphycj@illinois.edu; P. Jain, jain@illinois.edu
**Quantum Dynamics in Large Scale Systems** (Cosponsored with COMP). O. Prezhdo, prezhdo@usc.edu; A. Akimov, alexeyak@buffalo.edu
**Spectroscopy of Complex Systems.** A. Benderskii, alex.benderskii@usc.edu; J. Dawlaty, dawlaty@usc.edu
**Sunlight-Driven Processes: Exposing the Mechanisms Underlying Productive Photoactivities.** M. Olivucci, molivuc@bgnet.bgsu.edu; D. Larsen, dlarsen@ucdavis.edu; K. Glusac, kglusac@bgsu.edu

## POLYMER CHEMISTRY

**Program Chairs: C. Lipscomb, 3M Company, 3M Center, Building 201-02-N-20, Saint Paul, MN, 55144-1001, (651)736-5029, celipscomb@mmm.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**

Abstracts due Oct. 31.
**Excellence in Graduate Polymer Research** (Cosponsored with PRES, PROF, SOCED & YCC). (Oral & Poster submissions.) H. Cheng, hncheng100@gmail.com; C. Ellison, cellison@umn.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
**Incorporating Polymer Science into the Classroom** (Cosponsored with CHED & PMSE). S. Morgan, sarah.morgan@usm.edu; K. Cavicchi, cavicchi@uakron.edu
**Next Generation Smart Materials.** E. Berda, erik.berda@unh.edu; J. Foster, johanf@vt.edu; Y. Simon, yoan.simon@unifr.ch
**Polymer Applications & Characterization in the Biomedical Industry.** J. Slager, jslager@surmodics.com; M. Liu, x.michael.liu@pfizer.com
**Polymeric Materials for Performance & Sustainability.** (Oral & Poster submissions.) M. Meador, michael.a.meador@nasa.gov; M. Meador, maryann.meador@nasa.gov; S. Morgan
**Polymers & Biomimicry.** T. Williams, tiffany.s.williams@nasa.gov
**Smart Polymeric Materials from Cyclodextrins: Novel Designs & Applications** (Cosponsored with PMSE). (Oral & Poster submissions.) G. Wenz, g.wenz@mx.uni-saarland.de; D. Thompson, davethom@purdue.edu
**Structure to Function in Supramolecular Polymers & Materials.** R. Kieltyka, r.e.kieltyka@chem.leidenuniv.nl; P. Besenius, besenius@uni-mainz.de; J. Matson, jbmatson@vt.edu
**Undergraduate Research in Polymer Science.** (Oral & Poster submissions.) S. Morgan; J. Lott, joseph.r.lott@usm.edu; S. Nazarenko, sergei.nazarenko@usm.edu

## POLYMERIC MATERIALS SCIENCE & ENGINEERING

**Program Chairs: A. Tsou, Exxon Mobil Chemical, Global Chemical Research, 5200 Bayway Dr., Baytown, TX 77520, (281) 834-5935, andy.h.tsou@exxonmobil.com; B. Olsen, MIT, Chemical Engineering Dept., 77 Massachusetts Ave., Cambridge, MA 02139, (617) 715-4548, bdolsen@mit.edu; X. Jia, U of Delaware, 127 The Grn Rm 201, Newark, DE 19716, (302)831-6553, xjia@udel.edu; C. Stafford, NIST, 100 Bureau Dr., Gaithersburg, MD 20899, (301) 975-4368, chris.stafford@nist.gov; M. Grunlan, Texas A&M U, 3120 TAMU, 5030 Emerging Technologies Bldg, College Station, TX 77843, (979) 845-2406, mgrunlan@tamu.edu**

Abstracts due Oct. 31.
**1D Nanomaterials: Synthesis, Assembly, Properties & Applications.** J. Hahm, jongin.hahm@georgetown.edu; S. Darling, darling@anl.gov
**Joint PMSE/POLY Poster Session.** M. Grunlan
**Nanoscale Spectroscopic Characterization of Catalysts & Polymers.** D. Yablon, dalia.yablon@surfacechar.com; J. Rapp, jennifer.l.rapp@exxonmobil.com
**Polymers under Deformation.** D. Yablon; A. Norman, alexander.norman@exxonmobil.com
**Recent Advances in Multiblock Copolymers** (Cosponsored with POLY). J. Zhang, jingwen.zhang@exxonmobil.com; Z. Bai, zbai@dow.com; B. Long, long@utk.edu
**Support & Activator Effects on Metal-Mediated Polymerization** (Cosponsored with INOR). L. Luo, lubin.luo@exxonmobil.com; M. Delferro, delferro@anl.gov

## PROFESSIONAL RELATIONS

**Program Chair: R. Libby, Moravian College, 1200 Main St., Bethlehem, PA 18018, (207) 361-4715, libbyr@moravian.edu**

Abstracts due Nov. 7.
**Chemical Angel Network: Chemists Investing in Chemical Companies** (Cosponsored with CIEC & SCHB). J. Bryant, janetlbryant@pnnl.gov
**From the Employer's Eye: What Tech & Biotech are Doing to Increase Diversity** (Cosponsored with CMA). C. Valdez, cediev87@stanford.edu; C. Hobbs, christopher.hobbs@tamuk.edu; J. Sarquis, sarquijl@miamioh.edu
**Investing in the Future: Mentoring Underrepresented Students in Chemistry.** M. Crawford, mcrawfor@knox.edu
**Looking Beyond Your Current Boundaries: What's the Next Step?** (Cosponsored with YCC). M. Grandbois, grandboismatthew@gmail.com; J. Kelly, jkelly1@go.olemiss.edu

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

## RUBBER DIVISION

Will not meet in San Francisco.

## SMALL CHEMICAL BUSINESSES

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

Abstracts due Oct. 31.
**Chemists & Writing for Fun & Profit: Write Your Own Career.** L. Balbes, lisa@balbes.com
**Entrepreneurs' Poster Session.** G. Ruger, gruger04@yahoo.com
**Entrepreneurship in Advanced Materials, Technologies, Systems & Processes.** P. Kearney, patrick.c.kearney@gmail.com; B.Bunin, bbunin@collaborativedrug.com
**Entrepreneurship in Biotechnology, Advanced Materials, Drug Discovery & Information Systems.** M. Chorghade, chorghade@gmail.com
**Food & Beverage Industry.** J. Sabol
**Nobel Prize Winning Discoveries that Revolutionized Advanced Materials, Technologies, Systems & Processes.** M. Chorghade

## COMMITTEE ON ENVIRONMENTAL IMPROVEMENT

**Program Chair: C. Middlecamp, U of Wisconsin-Madison, Nelson Institute for Environmental Studies, Madison, WI 53706-1404, (608) 263-5647, chmiddle@wisc.edu**

Abstract due date unavailable at press time.

## INTERNATIONAL ACTIVITIES COMMITTEE

**Program Chair: E. Tratras Contis, Eastern Michigan U, Chemistry, 541 Science Complex, Ypsilanti, MI, 48197, (734) 276-0787, econtis@emich.edu**

Abstracts due Oct. 14.
**Blending Chemistry & Culture: Undergraduate Research Abroad through ACS IREU Program.** C. LaPrade, c_laprade@acs.org, L. Raines, l_raines@acs.org
**Global Chemists' Code of Ethics.** E. Tratras Contis, L. Brown, l_brown2@acs.org
**Global Community Building.** E. Tratras Contis, L. Raines
**Preparing the Global Chemical Workforce: A Primer on Employability from the Transatlantic Perspective.** C. LaPrade, E. Tratras Contis, David Cole-Hamilton, djc@st-andrews.ac.uk
**Teaching & Researching Chemistry in a Globalized World.** E. Tratras Contis, P. Kostiuk, p_kostiuk@acs.org

## COMMITTEE ON MINORITY AFFAIRS

**Program Chair: J. Sarquis, Miami U, 1514 Lupine Rd., Healdsburg, CA 95448, (707) 217-6312, sarquijl@miamioh.edu**

Abstract due date unavailable at press time.

## NOMENCLATURE, TERMINOLOGY & SYMBOLS

**Program Chair: M. Mosher, U. of Northern Colorado, Dept. Chemistry & Biochemistry, 501 20th St., Greeley, CO 80639-6900, (970) 351-1443, michael.mosher@unco.edu**

Abstract due date unavailable at press time.

## COMMITTEE ON SCIENCE

**Program Chair: A. Meyers, Corsitech, 2733 Hwy 31 East, PO Box 1898, Corsicana, TX, 75151, (903)874-9513, adam.meyers@corsitech.net**

Abstract due date unavailable at press time.

## SOCIETY COMMITTEE ON EDUCTION

**Program Chair: M. Roslonowski, Eastern Florida State College, Palm Bay Campus, 2846 Mariah Dr., Melbourne, Fl 32940, (321) 243-6198, roslonowskim@easternflorida.edu**

Abstracts due Oct. 31.
**Chemistry of Fermented Beverages.** M. Roslonowski, N. DiFabio, n_difabio@acs.org
**Eminent Scientist Lecture with Dr. Carolyn Bertozzi.** M. Roslonowski, N. DiFabio
**Frontiers in Nanoscience.** M. Roslonowski, N. DiFabio

## WOMEN CHEMISTS COMMITTEE

**Program Chair: K. Woznack, California U of Pennsylvania, Dept. of Chemistry & Physics, 250 University Ave., Mailbox 56, California, PA 15419, (724) 938-5734, woznack@calu.edu**

Abstracts due Oct 31.
**ACS Award for Encouraging Women into Careers in the Chemical Sciences.** K. Woznack
**WCC Rising Star Award Symposium.** K. Woznack

## YOUNGER CHEMISTS COMMITTEE

**Program Chair: D. Williams, Stony Brook U, 100 Nicolls Road, 104 Chemistry, Stony Brook, NY 11790-3400, williamsde20@gmail.com**

Abstract due date unavailable at press time.