

ACS Spring 2020 National Meeting

Divisions issue calls for papers for the March 22–26 meeting in Philadelphia

Calls for papers for the ACS Spring 2020 National Meeting (March 22–26) have been issued. The preliminary program for the meeting in Philadelphia will be published in the Jan. 20 issue of C&EN; the full technical program will be available at www.acs.org/Philadelphia2020 on Jan. 20.

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

The society bylaws governing presentation of papers appears below.

Society bylaws governing papers

Bylaw VI, section 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 concurrence 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 Director 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, number 3, supplements Bylaw VI, section 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 announcement 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,

Deadlines for abstract submission for the Philadelphia national meeting, March 22–26

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

DIVISION	DATE	DIVISION	DATE	DIVISION	DATE	COMMITTEE	DATE
AGFD	Oct. 14	CINF	Oct. 14	INOR	Oct. 21	CEI	a
AGRO	na	TOXI	a	MEDI	Oct. 14	CMA	na
ANYL	Oct. 14	CHAL	Oct. 21	NUCL	Oct. 14	COMSCI	na
BIOT	Oct. 14	COLL	Oct. 21	ORGN	Oct. 14	IAC	a
BIOL	Oct. 14	COMP	Oct. 21	PHYS	na	SOCED	Oct. 21
BMGT	na	ENFL	Oct. 14	POLY	Oct. 21	WCC	Oct. 21
CARB	Oct. 14	ENVR	Oct. 14	PMSE	Oct. 21	YCC	Oct. 19
CATL	Oct. 21	FLUO	Oct. 14	PROF	Oct. 21		
CELL	Oct. 14	GEOC	Oct. 14	RUBB	a		
CHED	Oct. 14	HIST	Oct. 21	SCHB	Oct. 14		
CHAS	Oct. 14	I&EC	Oct. 14	MPPG	Oct. 14		

a = Will not host symposia in Philadelphia. na = Not available at press time.

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.

Philadelphia, March 22–26, 2020

MULTIDISCIPLINARY PROGRAM PLANNING GROUP

Program chair: T. Lodge, U of Minnesota, lodge@umn.edu; K. Matyjaszewski, matyjaszewski@cmu.edu

Abstracts due October 14.

AGRICULTURAL AND FOOD CHEMISTRY

Program chair: Y. Kim, Finlays, Youngmok.Kim@finlays.net; L. Yu, U of Maryland, lyu5@umd.edu

Abstracts due October 14.

Advances in Sensory Evaluation. M. Tunick, mht39@drexel.edu; R. Trout, rek23@drexel.edu

Chemistry and Health Benefits of Fermented Foods. Y. Kim, youngmok.kim@finlays.net; H. Chun, hschun@cau.ac.kr; K. Lee, kwglee@dongguk.edu

Food Authentication and Adulteration Detection. Z. Xie, kyx@usp.org; J. Harnly, james.harnly@ars.usda.gov

Food Packaging: Materials, Active Packaging, and Sustainability. T. Duncan, timothy.duncan@fda.hhs.gov; X. Fan, xuetong.fan@ars.usda.gov; J. Finley, jfinley5@lsu.edu; T. Jin, tony.jin@ars.usda.gov; J. Koontz, john.koontz@fda.hhs.gov; M. Morello, mjmorello226@gmail.com

General Papers (oral and poster submissions). F. Chen, chenfang@sina.com; L. Yu, lyu5@umd.edu

Method Development for Complex Food Matrices: Analytical and Statistical Considerations. S. Chakraborty, schakraborty@ccsu.edu

Modulation of the Gut Microbiome by Diet-Derived Compounds and its Impact on Human Health. T. Wang, tom.wang@ars.usda.gov; X. Wu, xianli.wu@ars.usda.gov

Nanoencapsulation and Delivery of Bioactive Food Ingredients Using Food Biopolymers. Q. Huang, qhuang@aesop.rutgers.edu; Q. Wang, wangqin@umd.edu

Pectin Chemistry and Health. L. Liu, linshu.liu@ars.usda.gov; A. Hotchkiss, hotchkiss.arland@usda.gov; K. Davis, kate.davis@cpkelco.com; R. Gorshkova, gorshkova.raisa@gmail.com; Z. Muhidinov, muhidinovzayniddin@gmail.com

Withycombe-Charalambous Graduate Student Symposium. K. Deibler, kdd3@cornel.edu

AGROCHEMICALS

Will not be hosting symposia at this meeting.

ANALYTICAL CHEMISTRY

Program chair: P. Bohn, U of Notre Dame, paulbohn@acsanalytical.org; M. Bush, U of Washington, mattbush@acsanalytical.org

Abstracts due October 14.

Active Learning in the Undergraduate Analytical Chemistry Curriculum. T. Wenzel, twenzel@bates.edu; M. Kovarik, michelle.kovarik@trincoll.edu; J. Robinson, jrobin@indiana.edu

Advances in Electrochemistry. L. Baker, lanebaker@acsanalytical.org

Advances in Mass Spectrometry. M. Bush, mattbush@acsanalytical.org

Advances in Spectroscopy. P. Bohn, pbohn@acsanalytical.org

Advances in Separations. M. Hayes, mhayes@asu.edu

Analytical Division Poster Session. P. Bohn, pbohn@acsanalytical.org

ANYL Division Award Symposium. P. Bohn, pbohn@acsanalytical.org

Broadband Dielectric Spectroscopy as a Modern Analytical Technique. W. Woodward, woodward@dow.com

Low-Cost and Open-Source Analytical Chemistry. J. Grinias, grinias@rowan.edu

Nanotechnology, Single Molecule and Single Cell Imaging in Biology and Medicine. X. Xu, xhxu@odu.edu

BIOLOGICAL CHEMISTRY

Program chair: M. Distefano, U of Minnesota, diste001@umn.edu; E. Pletneva, Dartmouth U, ekaterina.pletneva@dartmouth.edu

Abstracts due October 14.

ACS Chemical Biology Award Symposium. L. Kiessling, kiesslin@mit.edu; M. Distefano, diste001@umn.edu

Bioconjugate Chemistry 30th Anniversary. V. Rotello, rotello@chem.umass.edu; M. Distefano, diste001@umn.edu

Biological Chemistry in Industry. R. Hannoush, hannoush.rami@gene.com; M. Distefano, diste001@umn.edu

Current Topics (posters). M. Distefano, diste001@umn.edu; E. Pletneva, ekaterina.pletneva@dartmouth.edu

Early Career Investigators in Biological Chemistry. M. Distefano, diste001@umn.edu; E. Pletneva, ekaterina.pletneva@dartmouth.edu

Emerging Research by Investigators at Primarily Undergraduate Institutions.

M. Konkle, mekonkle@bsu.edu; K. Colabroy, kericolabroy@muhlenberg.edu; M. Distefano, diste001@umn.edu

Exploring the Origins of RNA, Polypeptides and Polysaccharides: Highlights from the NSF-NASA Center for Chemical Evolution. N. Hud, nick.hud@chemistry.gatech.edu; R. Krishnamurthy, rkrishna@scripps.edu; M. Distefano, diste001@umn.edu

Goodman Award Symposium. H. Critchton, hcritchton@wiley.com; M. Distefano, diste001@umn.edu

Graduate Student and Postdoctoral Fellow Symposium. M. Distefano, diste001@umn.edu; E. Pletneva, ekaterina.pletneva@dartmouth.edu

Mid-Career Investigators in Biological Chemistry. M. Distefano, diste001@umn.edu; E. Pletneva, ekaterina.pletneva@dartmouth.edu

Nakanishi Award.

Ralph Hirschmann Award. M. Distefano, diste001@umn.edu

Ronald Breslow Award for Achievement in Biomimetic Chemistry. M. Distefano, diste001@umn.edu

Women in Bioconjugate Chemistry. E. Lavik, elavik@umbc.edu; M. Distefano, diste001@umn.edu

BIOCHEMICAL TECHNOLOGY

Program chair: M. Blenner, Clemson U, blenner@clemson.edu

Abstracts due October 14.

Biomedical Technologies Poster Session. T. Mansell, mansell@iastate.edu; K. Mehta, kmehta@amgen.com; N. Boyle, nboyle@mines.edu; C. Gillespie, gillescoche@gmail.com

Biomolecular Technologies Poster Session. T. Mansell, mansell@iastate.edu; K. Mehta, kmehta@amgen.com; N. Boyle, nboyle@mines.edu; C. Gillespie, gillescoche@gmail.com

Bridging the Gaps in Process Development. B. Hackel, hackel@umn.edu; D. Ercek, ercek@northwestern.edu; D. Roush, david_roush@merck.com; S. Bhatnagar, sumit.bhatnagar@abbvie.com; A. Patel, pamish@seas.upenn.edu

Cellular and Microbiome Engineering.

J. Royce, jonathan.royce@vironova.com; N. Sanaie, nsanaie@kitepharma.com; J. Kim, ykim@eng.ua.edu; N. Ramsubramaniam, nrmsubramaniam@celgene.com; A. Harandi, ali.harandi@microbio.gu.se; T. Mansell, mansell@iastate.edu

Chemical Biology Across Process Development. B. Hackel, hackel@umn.edu; D. Ercek, ercek@northwestern.edu; D. Roush, david_roush@merck.com; J. Spangler, jamie.spangler@jhu.edu; J. Klesmith, justin.klesmith@zoetis.com

Chromatographic Separations. J. Pollard, jennifer_pollard@merck.com; A. Noyes, aaron.noyes@codiakbio.com; J. Pieracci, john.pieracci@biogen.com; J. Neville, jim.neville@milliporesigma.com; Y. Tao, tao_yinying@lilly.com; M. Gruvegard, mats.gruvegard@ge.com; J. Fox, jerome.fox@colorado.edu; A. Shirke, abhijit.shirke@tevapharm.com; S. Evans, evans@medimmune.com

Continuous Manufacturing and Process Intensification. H. Lin, henry.lin@merck.com; B. Marques, bruno.marques@gsk.com; C. Heldt, heldt@mtu.edu; B. Goodrich, elizabeth.goodrich@milliporesigma.com; J. Huang, jack.huang1@merck.com; S. Harcum, harcum@clemson.edu; V. Chotteau, veronique.chotteau@biotech.kth.se

Development and Manufacturing of Gene and Cell Therapies. J. Royce, jonathan.royce@vironova.com; N. Sanaie, nsanaie@kitepharma.com; J. Kim, ykim@eng.ua.edu; S. D'Costa, susan.dcosta@brammerbio.com; J. Woo, jwoo02@kitepharma.com; A. Brown, acb313@lehigh.edu; S. Azarin, azarin@umn.edu

Disruptive, Continuous and Integrated Downstream Processing. J. Pollard, jennifer_pollard@merck.com; A. Noyes, aaron.noyes@codiakbio.com; J. Pieracci, john.pieracci@biogen.com; N. Sanaie, nsanaie@kitepharma.com; S. Chollangi, srinivas.chollangi@bms.com; E. Ayturk, eayturk@mersana.com; M. Brower, mark_brower@merck.com; H. Yuan, hailey.yuan@pfizer.com

Downstream Processing Poster Session. T. Mansell, mansell@iastate.edu; K. Mehta, kmehta@amgen.com; N. Boyle, nboyle@mines.edu; C. Gillespie, gillescoche@gmail.com

Drug Delivery and Biotherapeutics Formulation. G. Thurber, gthurber@umich.edu; M. Krause, mary.krause@bms.com; I. Shieh, shieh.ian@gene.com; Y. Chen, yuan.cheng@regeneron.com; J. Deventer,

Researchers supported by grants or contracts from the US 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.

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Emerging BIOT Leaders. B. Hackel, hackel@umn.edu; D. Tullman-Ercek, ercek@northwestern.edu; D. Roush, david_roush@merck.com; P. Tessier, ptessier@med.umich.edu; V. Roy, varnika.x.roy@gsk.com

Emerging BIOT Research Areas. B. Hackel, hackel@umn.edu; D. Tullman-Ercek, ercek@northwestern.edu; D. Roush, david_roush@merck.com; K. Solomon, kvs@purdue.edu

End to End Biomanufacturing Poster Session. T. Mansell, mansell@iastate.edu; K. Mehta, kmehta@amgen.com; N. Boyle, nboyle@mines.edu; C. Gillespie, gillesche@gmail.com

Making Use of Big Data and Modeling.

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Mammalian Cell Culture. K. Solomon, kvs@purdue.edu; M. O'Malley, momalley@engineering.ucsb.edu; N. Jacob, njacob@amgen.com; J. Blazek, john.blazek@chbe.gatech.edu; H. Le, huongl@amgen.com; A. Mukherjee, arnabm@engineering.ucsb.edu; V. Janakiraman, vijay.janakiraman@merck.com; L. Chang, lchan@bluebirdbio.com

Manufacturing Beyond mAbs. H. Lin, henry.lin@merck.com; B. Marques, bruno.f.marques@gsk.com; C. Heldt, heldt@mtu.edu; R. Orozco, raquel.oroceo@boehringer-ingenelheim.com; W. Kelly, william.j.kelly@villanova.edu; A. Kantardjiev, akantardjiev@bluebirdbio.com; R. Sheth, rsheth@bmm.com

Manufacturing Process Integration. H. Lin, henry.lin@merck.com; B. Marques, bruno.f.marques@gsk.com; C. Heldt, heldt@mtu.edu; G. Ferreira, ferreirag@medimmune.com; J. Hubbuch, juergen.hubbuch@kit.edu; B. Nilsson, bernt.nilsson@chemeng.lth.se; M. Stone, melani.stone@merck.com

Microbial Metabolic and Bioprocess Engineering. K. Solomon, kvs@purdue.edu; M. O'Malley, momalley@engineering.ucsb.edu; N. Jacob, njacob@amgen.com; A. Mukhopadhyay, amukhopadhyay@lbl.gov; N. Sandoval, nsandova@tulane.edu; A. Yongky, andrew.yongky@bms.com; Z. Shao, zyshao@iastate.edu; C. Santos, csantos@manusbio.com

New Therapeutic Modalities: Impact on Manufacturing Paradigms.

B. Hackel, hackel@umn.edu; D. Tullman-Ercek, ercek@northwestern.edu; D. Roush, david_roush@merck.com; A. Noyes, aaron.noyes@codiakbio.com; L. Segatori, segatori@rice.edu

Non-Chromatographic Separations.

J. Pollard, jennifer_pollard@merck.com; A. Noyes, aaron.noyes@codiakbio.com; J. Pieracci, john.pieracci@biogen.com; A. Gupta, akshat.gupta@milliporesigma.com; A. Becerra, alejandro.becerra@thermofisher.com; D. Latulippe, latulippe@mcmaster.ca; M. Bakhshayeshirad, meisam.bakhshayeshirad@biogen.com; S. Menegatti, stefano.menegatti@gmail.com

Precision Medicine, Bionanotech and Drug Delivery/Targeting. J. Royce, jonathan.royce@vironova.com; N. Sanaie, nsanaie@kitepharma.com; J. Kim, ykim@eng.ua.edu; C. Canova, ccanova@its.jnj.com; S. Rao, srao3@eng.ua.edu; M. Carrondo, mjtc@ibet.pt; A. David, aed0022@auburn.edu

Process Scale Up/Down/Out and Characterization. H. Lin, henry.lin@merck.com; B. Marques, bruno.f.marques@gsk.com; C. Heldt, heldt@mtu.edu; M. Stork, matthew.stork@pfizer.com; G. Gillespie, gary.gillespie@ncsu.edu; J. Tian, juntian8@gmail.com; P. Smith, philip.2.smith@gsk.com

Protein Engineering, Bispecifics and Conjugates. G. Thurber, gthurber@umich.edu; M. Krause, mary.krause@bms.com; M. Sumit, madhuresh.sumit@gmail.com; M. Coppock, matthew.b.coppock.civ@mail.mil; A. Kunjapur, kunjapur@udel.edu; J. Fox, jerome.fox@colorado.edu; Q. Sun, sunqing@tamu.edu

Protein Structure/Function, Stability and Developability. G. Thurber, gthurber@umich.edu; M. Krause, mary.krause@bms.com; W. Lan, wenkui.lan@bms.com; D. Saro, dsaro@its.jnj.com; K. Mallela, krishna.mallela@ucdenver.edu; L. Stern, stern167@umn.edu; Y. Cho, cho@uconn.edu

Purification of Novel Modalities. J. Pollard, jennifer_pollard@merck.com; A. Noyes, aaron.noyes@codiakbio.com; J. Pieracci, john.pieracci@biogen.com; M. Westoby, matthew.westoby@junotherapeutics.com; P. Kuhl, philip_kuhl@merck.com; S. Krishnathu, skrish43@its.jnj.com; K. Mehta, krunal.mehta.rpi@gmail.com; M. Mardoukhi, mahsa.mardoukhi@gmail.com; R. Bourdeau, raymond.bourdeau@codiakbio.com

Regulatory Perspective and Analytical Assays for Gene and Cell Therapy. J. Royce, jonathan.royce@vironova.com; N. Sanaie, nsanaie@kitepharma.com; J. Kim, ykim@eng.ua.edu; T. Antes, tantes@kitepharma.com; V. Lu, victorlu@ictbioinc.com; I. Yang, inhong.yang@uncc.edu

Sustainability in Bioprocessing. B. Hackel, hackel@umn.edu; D. Tullman-Ercek, ercek@northwestern.edu; D. Roush, david_roush@merck.com; M. Köpke, michael.koepke@lanzatech.com; A. Zydney, zydney@engr.psu.edu

Systems Biology, Synthetic Biology and Emerging Technologies. K. Solomon, kvs@purdue.edu; M. O'Malley, momalley@engineering.ucsb.edu; N. Jacob, njacob@amgen.com; N. Crook, nccrook@ncsu.edu; H. Dhamankar, himanshudhamankar@gmail.com; C. Eckert, carrie.eckert@nrel.gov; Y. Li, yanranli@engr.ucr.edu; N. Nair, nikhil.nair@tufts.edu; R. Raju, ravaliraju@gmail.com

Upstream Processes Poster Session.

T. Mansell, mansell@iastate.edu; K. Mehta, kmehta@amgen.com; N. Boyle, nboyle@mines.edu; C. Gillespie, gillesche@gmail.com

BUSINESS DEVELOPMENT AND MANAGEMENT

Program chair: A. DeMasi, Lanxess Solutions, anne.demasi@lanxess.com

Abstracts due October 14.

CARBOHYDRATE CHEMISTRY

Program chair: C. Bennett, Tufts U, clay.bennett@tufts.edu

Abstracts due October 14.

Carbohydrates and Infectious Disease.

J. Ragains, jragains@isu.edu; S. Sucheck, steve.suchek@utoledo.edu

Chemical Tools for Dissecting Microbial Glycobiology. C. Grimes, cgrimes@udel.edu; B. Swarts, swart1bm@cmich.edu; T. Lupoli, tlj229@nyu.edu

General Posters. C. Bennett, clay.bennett@tufts.edu

Gen Inv Investigator Award. P. Andreana, peter.andreana@utoledo.edu

Horton Award. P. Andreana, peter.andreana@utoledo.edu

Isbell Award. P. Andreana, peter.andreana@utoledo.edu

Roles of Carbohydrates in Regulating the Immune Response. J. Liu, liuj@email.unc.edu; Y. Xu, yongmeix@email.unc.edu

Wolfram Award. P. Andreana, peter.andreana@utoledo.edu

CATALYSIS SCIENCE AND TECHNOLOGY

Program chair: D. Flaherty, U of Illinois, dwflhrty@illinois.edu; A. Savara, Oak Ridge National Laboratory, savaraa@ornl.gov

Abstracts due October 21.

Activation of Light (C₁-C₄) Hydrocarbons:

Theory and Experiments (cosponsored with ENFL, PHYS, and ENVR). C. Carrero, cac0134@auburn.edu; L. Gilliard-AbdulAziz, klabdulaziz@engr.ucr.edu

Advances in Understanding Dynamic Structural Evolution During Catalysis Using Experiment and Theory. R. Gounder, rgounder@purdue.edu; C. Paolucci, cp9wx@virginia.edu; J. Harris, jwharris@eng.ua.edu

Bringing Surface Science to Catalysis

(cosponsored with ENFL, ENVR, and COLL). A. Asthagiri, asthagiri.1@osu.edu; D. Killelea, dkillelea@luc.edu; A. Savara, savaraa@ornl.gov; L. Welch, lawelch@cedarcrest.edu

Catalysis for Conventional and Sour Natural Gas Upgrading (cosponsored with ENFL and ENVR). J. Baltrusaitis, job314@lehig.edu; Z. Wu, wuz1@ornl.gov

Catalytic and Photocatalytic Degradation of Pollutants and Chemical Threat Agents: New Materials and in Operando Methods (cosponsored with ENFL and ENVR). E. Durke, erin.m.durke.civ@mail.mil; P. DeSario, paul.desario@nrl.navy.mil; W. Gordon, wesley.gordon.civ@mail.mil; D. Kuhn, danielle.l.kuhn.civ@mail.mil

Catalytic Conversion of Polymers: Upcycling to Useful Chemicals, Fuels, and Materials (cosponsored with ENFL, ENVR, and POLY). S. Scott, scott@ucsb.edu; A. Sadow, sadow@iastate.edu; M. Delferro, delferro@anl.gov

Catalytic Conversion of Renewable and Waste Carbon Sources: Approaches to Improve Carbon Utilization (cosponsored with ENFL and ENVR). J. Schaidle, Joshua.Schaidle@nrel.gov; D. Ruddy, dan.ruddy@nrel.gov; S. Habas, susan.habas@nrel.gov

Elucidation of Mechanisms and Kinetics on Surfaces (cosponsored with PHYS, ENFL, and ENVR). S. Laursen, sirislaursen@gmail.com; R. Baker, baker.2364@osu.edu; L. Árnadóttir

General Catalysis (oral and poster submissions). A. Savara, savaraa@ornl.gov; D. Flaherty, dwflhrty@illinois.edu

Meeting the Challenges of Heterogeneous Catalysis Controlled at Atomic Level (cosponsored with ENFL, PHYS, and ENVR). F. Tsung, frank.tsung@bc.edu; W. Huang, whuang@iastate.edu; C. Liu, chongliu@chem.ucla.edu

Molecular Capsules: from Design to Application (cosponsored with ANYL, PHYS, and I&EC). K. Schwarz, kas4@nis.gov; A. Stelson, angela.stelson@nist.gov; A. Grommet, angela.grommet@weizmann.ac.il

Molecular Insight in Materials Catalysis (cosponsored with PHYS and ENFL). C. Li, christinawli@purdue.edu; X. Feng, Xiaofeng.feng@ucf.edu

Multifunctional Surfaces for Cooperativity in Catalysis (cosponsored with ENFL, PHYS and ENVR). J. Weaver, weaver@che.uci.edu; D. Stacchiola, djs@bnl.gov

Reactions on Surfaces in Liquid Media (cosponsored with ENFL, PHYS, and ENVR). T. Schwartz, thomas.schwartz@maine.edu; B. Frederick, bgfrederick@maine.edu; C. Kronawitter, ckrona@ucdavis.edu

Recent Advances in Plasma-Enhanced Catalysis (cosponsored with ENFL, PHYS, and ENVR). W. Schneider, wschneider@nd.edu; J. Hicks, jhicks@nd.edu; R. Sanden, m.c.m.vandesanden@diffen.nl

Thermochemical Processing and Catalytic Conversion of Biomass for Bioproducts and Biofuels Production (cosponsored with ENFL). M. Olarte, mariefel.olarte@pnnl.gov; M. Ramirez-Corredores, magdalena.ramirezcorredores@inl.gov; M. Garcia-Perez, mgarcia-perez@wsu.edu; D. Robichaud, david.robichaud@nrel.gov

Unconventional Reaction Environments: Molten Salts, Molten Metals, Super-critical Fluids, and Others. N. Singh, snirala@umich.edu; D. Upham, dcupham@stanford.edu

Well-Defined Materials for Heterogeneous Catalysis: Synthesis, Characterization, and Performance Studies. M. Cargnello, mcargnello@stanford.edu; B. Xu, bxu@udel.edu

CELLULOSE AND RENEWABLE MATERIALS

Program chair: G. Larkin, Michigan Tech, gmlarkin@mtu.edu; W. Thielemans, KU Leuven, wim.thielemans@kuleuven.be

Abstracts due October 14.

3-D Printing of Functional Biomaterials:

Think Big! L. Pal, lokendra_pal@ncsu.edu; L. Lucia, lucian_lucia@ncsu.edu

A Century of Cellulose: The Past, Present and Future of Cellulose and Renewable Materials. G. Selling, gordon.selling@ars.usda.gov; T. Budtova, tatiana.budtova@mines-paristech.fr; G. Larkin, gmlarkin@mtu.edu; S. Murphy, murphyshellam@gmail.com; M. Godshall, mgodshall@cox.net

Advances in Methodology for Structural Characterization of Cellulosic and other Polysaccharide-Based Systems. Y. Ogasawa, yu.ogawa@cermav.cnrs.fr; P. Penttilä, paavo.penttila@aalto.fi; S. Kim, shk10@psu.edu

Biobased Gels and Porous Materials. T. Budtova, tatiana.budtova@mines-paristech.fr; F. Liebner, falk.liebner@boku.ac.at

Cellulose and Renewable Materials for Gas, Air and Water/Liquid Purification. A. Mathew, aji.mathew@mmk.su.se; U. Edlund, edlund@kth.se; T. Tammelin, tekla.tammelin@vt.fi; A. Mautner, andreas.mautner@univie.ac.at

Colloidal Assembly of Renewable Materials. Y. Habibi, youssef.habibi@list.lu; I. Capron, isabelle.capron@inra.fr; A. Bismarck, alexander.bismarck@univie.ac.at

Functionalization of Nanocelluloses for Electrical, Optical, Magnetic, Barrier, and Topochemical Properties. L. Pal, lpal@ncsu.edu; L. Lucia, lalucia@ncsu.edu; H. Jameel, jameel@ncsu.edu

Historical Perspectives on Cellulose and other Renewable Materials. W. Thielemans, wim.thielemans@kuleuven.be; G. Patterson, gp9a@andrew.cmu.edu; G. Larkin, gmlarkin@mtu.edu; N. Tsarevsky, nvt@mail.smu.edu

Innovative Lignin Upgrading: Smart Materials and Specialty Chemicals. M. Sipponen, msipponen@gmail.com; H. Lange, heiko.lange@uniroma2.it; M. Osterberg, monika.osterberg@aalto.fi; C. Crestini, claudia.crestini@unive.it

Lignin as a Renewable Substrate for Polymers: From Molecular Understanding and Isolation to Targeted Applications. M. Lawoko, lawoko@kth.se; M. Johansson, matskg@kth.se; L. Berglund, blund@kth.se; O. Sevastyanova, olena@kth.se; P. Olsén, polsen@kth.se; R. Rojas, ramiro@kth.se

Nanocellulose: From Fundamentals to Function. T. Abitbol, tiffany.abitbol@ri.se; S. Kedzior, stephanie.kedzior@ucalgary.ca; E. Niinivaara, niinivae@mcmaster.ca; M. Reid, mreid@kth.se

Pitch in Renewable Materials for Early Career Scientists. D. Maldonado, dzg0023@tigermail.auburn.edu; M. Iglesias, mci0006@tigermail.auburn.edu; W. Schlemmer, werner.schlemmer@tugraz.at; K. Solin, katarina.solin@aalto.fi; O. Rojas, orlando.rojas@aalto.fi; S. Spirk, stefan.spirk@tugraz.at; S. Peresin, soledad.peresin@auburn.edu

Raman Spectroscopy Applications in the Field of Celluloses and Lignocelluloses and their Major Components. U. Agarwal, umesh.p.agarwal@usda.gov; N. Gierlinger, burgi.gierlinger@boku.ac.at

Renewable Molecules and Materials: Anselme Payen Award Symposium in Honor of Ann-Christine Albertsson. U. Edlund, edlund@polymer.kth.se; S. Percec, simona.percec@temple.edu; K. Edgar, kjedgar@vt.edu; M. Ek, monica.ek@kth.se; V. Percec, percec@sas.upenn.edu

Valorization of Renewable Resources and Residuals into New Materials and Multiphase Systems. M. Auad, auad@auburn.edu; O. Rojas, orlando.rojas@aalto.fi; J. Terán, jcampos@correo.cua.uam.mx

Wood-Based Polymers to Tackle Global Challenges. T. Nypelö, tiina.nypelo@chalmers.se; K. Heise, katja.heise@aalto.fi; S. Spirk, stefan.spirk@tugraz.at

Wood-Mimics: Hierarchical Structures and Architectures. Y. Habibi, youssef.habibi@list.lu; S. Gaidukovs, sergejs.gaidukovs@rtu.lv; L. Hu, binghu@umd.edu

CHEMISTRY AND THE LAW

Program chair: K. McIntyre, Finnegan, Henderson, Farabow, Garrett & Dunner LLP, kristi.mcintyre@finnegan.com

Abstracts due October 21.

Hot Topics in IP Law. K. McIntyre, kristi.mcintyre@finnegan.com

Strengthening Your Patent Rights in Light of Recent Federal Circuit Court Decisions. X. Pillai, xpillai@leydig.com

The Many Faces of CHAL: Where Chemistry Meets the Law. K. McIntyre, kristi.mcintyre@finnegan.com

CHEMICAL HEALTH AND SAFETY

Program chair: D. Decker, U of California, Davis, dmdecker@ucdavis.edu; J. Pickel, Oak Ridge National Laboratory, pickeljm@ornl.gov

Abstracts due October 14.

Chemical Safety Film Festival (cosponsored with CCS). R. Izzo, rizzo@princeton.edu

Designing and Operating Facilities with Safety in Mind (cosponsored with CCS). C. Incarvito, chris.incarvito@yale.edu; J. Pickel, pickeljm@ornl.gov

Designing Safety into an Undergraduate Laboratory Curriculum, Beyond Safety Rules (cosponsored with CCS). R. Stuart, ralph.stuart@keene.edu; J. Berk, jrberk@cedarcrest.edu

Division of Chemical Health and Safety Poster Session (cosponsored with CCS). J. Pickel, pickeljm@ornl.gov

Micro vs Macro dosing: Medical vs Recreational. C. Witowski, cgwitowski@gmail.com

Next Generation: Cannabis Delivery Beyond Smoking. C. Witowski, cgwitowski@gmail.com

Safety Across the Scientific Disciplines: Where are the Successes, and What Needs Improvements (cosponsored with CCS). R. Stuart, ralph.stuart@keene.edu; C. Multari, caroline.multari@gmail.com

The Second Annual ElSohly Award Symposium. K. Boyar, itskybo@gmail.com

Transition from the Academic Laboratory to Industrial Employment (cosponsored with CCS). N. Langerman, neal@chemical-safety.com

Women in Cannabis. J. Bramante, jmb Bramante@gmail.com

CHEMICAL EDUCATION

Program chair: P. Daubenmire, Loyola U Chicago, pdauben@luc.edu; C. Teague, Cornell College, cteague@cornellcollege.edu; D. Wicht, Suffolk U, dwicht@suffolk.edu

Abstracts due October 14.

Advances in Course-Based Undergraduate Research Experiences (CUREs). R. Waterman, rory.waterman@uvm.edu

Advancing Green and Sustainable Chemistry Education: Small Molecules to Macromolecules.

Advancing Undergraduate Research: Building Capacity for Complex Problem Solving. B. Gourley, bgourley@depauw.edu

Assessment and Measurement in Research and Practice. K. Murphy, kmurphy@uwm.edu

Becoming a Chemist: Scaffolding Authentic Professional Skill experiences into the Undergraduate Chemistry and Biochemistry Curricula. K. Neiles, kyneiles@smcm.edu

Clue: Computing to Learn in Undergraduate Education. J. Dudek, dudekj@hartwick.edu

Connecting Systems Thinking and Green and Sustainable Chemistry through the UN Sustainable Development Goals. J. Wissinger, jwiss@umn.edu

Developing and Assessing More than Content Knowledge. R. Cole, renee-cole@uiowa.edu

Education in Nanoscience: Visions for Smart and Advanced Generation. R. Much, riamab@gmail.com

Engaging Undergraduates with Raman Spectroscopy. M. Sonntag, msonntag@albright.edu

Formative Assessment Practices in Chemistry Teaching. S. Murray, stephanie.murray@umb.edu

Fundamentals of Chemistry Outreach Education: From Program Design to Assessment. S. Nellutla, saritha.nellutla@bridgew.edu

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

Green Chemistry Student Chapters: Stories of Success. M. Enright, mollie.enright@rockets.utoledo.edu

Innovations in the Instructional Laboratory. J. Parr, parr@usc.edu

International Perspectives of Chemistry Education Teaching and Practice.

W. Schatzberg, schatzberg@dixie.edu

Lab Safety for the 21st Century. S. Wiediger, swiedig@siue.edu

NMR Spectroscopy in the Undergraduate Curriculum. A. Wallner, antonwallner@webster.edu

Peer Led Team learning in General and Upper Division Chemistry Courses. D. Weiss, dweiss@uccs.edu

Perspectives on Climate Change Literacy and Education: Local to International. G. Foy, gfoy@ycp.edu

POGIL: Process Oriented Guided Inquiry Learning. R. Moog, rick.moog@fandm.edu

Research in Chemistry Education. L. Kendorhammer, lkendorhammer@csuchico.edu

Research on Learning in the Laboratory. R. Sansom, rsansom@chem.byu.edu

State of the Art: Learning Objects in Green Chemistry Education. P. Daubenmire, pdauben@luc.edu

Strategies Promoting Success of Two-year College Students. L. Anna, laura.anna@montgomerycollege.edu

Sustainability and Relevance in Chemistry Education: Theory and Practice. M. Hug-erat, muha4@arabcol.ac.il

Symposium in honor of Bob Lichter. R. Hernandez, r.hernandez@jhu.edu

Technology as a Context: Facilitating Students' Learning of Chemistry with Digital Media and Platforms. B. Fahlman, fahlm1b@cmich.edu

Undergraduate Laboratory Safety. M. Wilhelm, mwilhelm@umich.edu

Undergraduate Research Papers. C. Gauthier, cgauthier@filsouthern.edu

Undergraduate Research Posters. N. Difabio, n_difabio@acs.org; D. Hendricks, d_hendricks@acs.org

CHEMICAL INFORMATION

Program chair: S. Cardinal, U of Rochester, scardinal@library.rochester.edu

Abstracts due October 14.

AI Meets Cheminformatics. T. Qin, qinnamsu@gmail.com; N. Bharti, nbharti@andrew.cmu.edu

AI-based Big Data Application in Drug Discovery. A. Zakharov, alexey.zakharov@nih.gov; Q. Zhu, qian.zhu@nih.gov

Cheminformatics for Chemists. T. Qin, qinnamsu@gmail.com; R. Belford, rebelford@ualr.edu

Cryo EM Data Analysis. R. Bienstock, rachelleb1@gmail.com

Cultivating Good Data Practices Among Chemists (cosponsored with CHED and COMP). Y. Li, yel@mit.edu; S. Ward, ward@ccdc.cam.ac.uk

Current State of FAIR Chemistry Data. I. Bruno, bruno@ccdc.cam.ac.uk; S. Chalk, schalk@unf.edu; V. Scalfani, vfscalfani@ua.edu; N. Ruhs, nruhs@fsu.edu; L. McEwen, lrm1@cornell.edu

Data Exchange and Integration among Open Chemical Information Resources. S. Kim, sunghwan.kim@nih.gov

Databases for Target BioAssay Information for SAR Studies. R. Bienstock, rachelleb1@gmail.com

Machine Learning in Drug Discovery. S. Sirimulla, ssirimulla@utep.edu

Molecular Information for the Second Century: Digital Representations, Identifiers and Data Exchange. V. Scalfani, vfscalfani@ua.edu; L. McEwen, lrm1@cornell.edu; D. Wrublewski, dtwrub@caltech.edu

Trends and Hot Topics in Chemical Information. E. Alvaro, elsa.alvaro@northwestern.edu; J. Currano, currano@pobox.upenn.edu

What Do You Call $-(CH_2)_n-$ Polymer and Materials Science Reference and Instruction in the 21st Century. D. Wrublewski, dtwrub@caltech.edu

COLLOID AND SURFACE CHEMISTRY

Program chair: R. Nagarajan, Natick Soldier Research, Development and Engineering Center, ramanathan.nagarajan.civ@mail.mil

Abstracts due October 21.

Acoustically Active Colloids for Imaging and Therapy (oral and poster submissions). A. Goodwin, andrew.goodwin@colorado.edu; J. Jokerst, jkokerst@ucsd.edu; E. Kharlampieva, ekharlam@uab.edu

ACS Award Lectures. R. Nagarajan, ramanathan.nagarajan.civ@mail.mil

Amphiphilic Per- and Poly-Fluoroalkyl Substances: Solution and Interfacial Phenomena (oral and poster submissions). M. Tsianou, mtsianou@buffalo.edu; P. Alexandridis, palexand@buffalo.edu; D. Bedrov, d.bedrov@utah.edu; D. Dionysiou, dionysios.d.dionysiou@uc.edu

Bacterial Interactions with Soft Materials (oral and poster submissions). D. Bendejacq, denis.bendejacq@solway.com; D. Lee, daeyeon@seas.upenn.edu; M. Santore, santore@mail.pse.umass.edu

Basic Research in Colloids, Surfactants and Interfaces (oral and poster submissions). R. Nagarajan, ramanathan.nagarajan.civ@mail.mil

Bioconjugation of Colloids (oral and poster submissions). W. Parak, wolfgang.parak@uni-hamburg.de; L. Liz-Marzán, llizmarzan@cicbiomagune.es; N. Feliu, nfelu@physnet.uni-hamburg.de

Biomaterials and Biointerfaces (oral and poster submissions). J. Kaar, joel.kaar@colorado.edu; J. Schiffrman, schiffrman@ecs.umass.edu

Biomembrane Synthesis, Structure, Mechanics and Dynamics (oral and poster submissions). S. Muralidharan, subra.murali@ucdavis.edu; M. Longo, mlongo@ucdavis.edu; A. Parikh, anparikh@ucdavis.edu; M. Nieh, mu-ping.nieh@uconn.edu; J. Katsaras, katsarasj@ornl.gov

Colloid and Surface Chemistry in Industry: Applications and Career Opportunities (oral and poster submissions). N. Falk, nancy.falk@clorox.com; R. MacCusprie, rob@n-icorp.com

Colloidal Nanoparticle Synthesis and Assembly (oral and poster submissions). H. Fan, hfan@sandia.gov; T. Li, tli4@niu.edu; G. Zou, zougufu@suda.edu.cn; Y. Sun, tug30820@temple.edu; F. Bai, baifengsun@gmail.com

Computer Simulations of Soft Matter and Interfaces: Symposium in Honor of Michael Klein at 80 (oral and poster submissions). E. Borguet, eborguet@temple.edu; H. Dai, hldai@temple.edu; I. Siepmann, siepmann@umn.edu

Fundamental Research in Colloids, Surfactants and Nanomaterials. R. Nagarajan, ramanathan.nagarajan.civ@mail.mil

Metal Oxides, Metal Organic Frameworks (MOFs) and Polyoxometalates: Heterogeneous Reactivity and Catalysis under Environmentally Relevant Conditions (oral and poster submissions). G. Peterson, gregory.w.peterson.civ@mail.mil; B. Rasley, btrasley@alaska.edu; J. Wynne, james.wynne@nrl.navy.mil

Nanomaterials (oral and poster submissions). J. Hollingsworth, jenn@lanl.gov; J. McBride, james.r.mcbride@vanderbilt.edu; R. Nagarajan, ramanathan.nagarajan.civ@mail.mil

Self-Assembly in Polymer Systems (oral and poster submissions). M. Tirrell, mtirrell@uchicago.edu; S. Förster, s.foerster@fz-juelich.de; R. Nagarajan, ramanathan.nagarajan.civ@mail.mil

Semiconductor Surfaces: From Chemistry and Function to Applications (oral and poster submissions). A. Tepyakov, andrewt@udel.edu; S. Schofield, s.schofield@ucl.ac.uk

Surface Chemistry (oral and poster submissions). S. Tait, tait@indiana.edu

COMPUTERS IN CHEMISTRY

Program chair: J. Shen, U of Maryland School of Pharmacy, jana.shen@rx.umaryland.edu; L. Woodcock, U of South Florida, lee.woodcock@gmail.com

Abstracts due October 21.

ACS Award for Computers in Chemical and Pharmaceutical Research.

Artificial Intelligence for Materials Chemistry. R. Assary, assary@anl.gov; B. Narayanan, badri.narayanan@louisville.edu; S. Sankaranarayanan, skrsank@anl.gov

Chemical Computing Group Graduate Student Travel Awards. K. Kirschner, k.n.kirschner@gmail.com; C. Simmerling, carlos.simmerling@gmail.com

COMP Poster Session. L. Woodcock, hlw@usf.edu; O. Isayev, olexandr@olexandrisayev.com

Computational Studies of Water. D. Sindhikara, sindhikara@gmail.com; T. Kurtzman, simpleliquid@gmail.com

Drug Design. J. Tseng, jytse@gcsie.ntu.edu.tw; M. Landon, lissland@gmail.com

Emerging Technologies in Computational Chemistry. C. Simmerling, carlos.simmerling@gmail.com; E. Metwally, essam.metwally@merck.com

Exploring the Landscapes of Macromolecules: Symposium in Honor of Ronald M. Levy. E. Gallicchio, egallicchio@brooklyn.cuny.edu; C. Post, cbp@purdue.edu; C. Wong, wongch@umsl.edu

Material Science. C. Aikens, cmaikens@ksu.edu

Molecular Mechanics. J. Shen, jana.shen@rx.umaryland.edu

NVIDIA GPU Award. C. Simmerling, carlos.simmerling@gmail.com; J. Lefman, jlefman@nvidia.com; A. Stern, astern@nvidia.com

OpenEye Outstanding Junior Faculty Award. C. Simmerling, carlos.simmerling@gmail.com

Polysaccharides: The Smart Materials for the New Millennium. J. Shen, jana.shen@rx.umaryland.edu; G. Payne, gpayne@umd.edu; M. Crowley, michael.crowley@nrel.gov

Quantum Chemistry with Quantum Computers (cosponsored with PHYS). G. Jones, gojones@us.ibm.com; W. Swope, swope@us.ibm.com; J. Whitfield, james.d.whitfield@dartmouth.edu

Quantum Dynamics and Beyond: Symposium in Honor of Donald J. Kouri (cosponsored with PHYS). S. Iyengar, iyengar@indiana.edu; J. Zhang, john.zhang@nyu.edu; D. Neuhauser, dxn@ucla.edu

Quantum Mechanics. E. DePrince, deprince@chem.fsu.edu; H. Hratchian, hratchian@ucmerced.edu

Recent Developments of Molecular Mechanics Force Fields for Proteins, Nucleic Acids, Small Molecules and Materials. J. Shen, jana.shen@rx.umaryland.edu

Wiley Computers in Chemistry Outstanding Postdoc Award. C. Simmerling, carlos.simmerling@gmail.com; M. Cavalleri, matteo.cavalleri@wiley.com

ENERGY AND FUELS

Program chair: A. Padmaperuma, Energy Processes and Materials Division, Pacific Northwest National Laboratory, asanga.padmaperuma@pnnl.gov

Abstracts due October 14.

Accelerating the Implementation of Greener Alternatives in Hydraulic Fracturing. M. Hilfinger, matthew.hilfinger@lonza.com; I. Martinez, i_martinez@acs.org

Advances in Materials Synthesis and Characterization of Li-ion, Na-ion and Multi-Valent Batteries (oral and poster submissions). V. Doan-Nguyen, doannguyen.1@osu.edu; A. Co, co.5@osu.edu

Bioenergy and Bioproducts (oral and poster submissions). J. Fu, jinxiayu@hawaii.edu; S. Turn, sturn@hawaii.edu; W. Li, ying@tyut.edu.cn; T. Wang, wangtf@tsinghua.edu.cn; B. Yoza, byoza@hawaii.edu

Catalytic and Non-catalytic Upgrading of Heavy Oils and Vegetable Oils: Hydrodesulfurization, Hydrodenitrogenation, Hydrodeoxygenation and Oxidative Desulfurization (oral and poster submissions).

A. Dalai, ajay.dalai@usask.ca; D. Dadyburjor, dady.dadyburjor@mail.wvu.edu; Y. Zheng, ying.zheng@uwo.ca; A. Duan, duanaijun@cup.edu.cn; W. Roberts, william.roberts@kaust.edu.sa

Chemistry-Driven Opportunities for Challenges in the Petroleum Industry (oral and poster submissions). C. Abney, carter.abney@exxonmobil.com; J. Adams, Jeramie.adams@uwyo.edu; R. Rodgers, rogers@magnet.fsu.edu; Y. Zhang, yunlong.zhang@exxonmobil.com

Chemistry of Fuel Properties, Combustion and Fuel-Engine Interactions (oral and poster submissions). R. McCormick, robert.mccormick@nrel.gov; A. Boehman, boehman@umich.edu; D. Gaspar, daniel.gaspar@pnnl.gov; S. Kim, seonah.kim@nrel.gov

Electrochemistry Enables Catalysis for Energy, Chemicals and Materials (oral and poster submissions). C. Liu, chongliu@chem.ucla.edu; Y. Cheng, ycheng@niu.edu; G. Wu, gangwu@buffalo.edu; Y. Shao, yuyuan.shao@pnnl.gov; F. Jiao, jiao@udel.edu

Energy-Efficient Chemical Separations through 21st Century Scientific Capabilities (oral and poster submissions; cosponsored with PHYS and COMP). V. Glezakou, vanda.glezakou@pnnl.gov; G. Johnson, grant.johnson@pnnl.gov; D. Heldebrant, david.heldebrant@pnnl.gov; V. Prabhakaran, venky@pnnl.gov

ENFL General Posters. A. Padmaperuma, asanga.padmaperuma@pnnl.gov

ENFL Plenary. J. Liu, jingbo.liu@chem.tamu.edu

Engineered Materials Chemistry at the Oil, Gas and Water Interfaces: From Ions to Macromolecules (oral and poster submissions). S. Chang, sehoon.chang@aramcoservices.com; H. Ow, hooisweng.ow@aramcoservices.com; W. Wang, wei.wang@aramcoservices.com

Functional Nanostructured Catalysts for Sustainable Energy and Fuel (oral and poster submissions). H. Wang, htwang@rice.edu; M. Gao, mgao@ustc.edu.cn; S. Zhang, sz3t@virginia.edu

Macromolecular and Structured Electrolytes for Energy and Related Applications

(oral and poster submissions). T. Zawodzinski, tzawodzinski@gmail.com; A. Park, ap2622@columbia.edu; M. Dadmun, dad@utk.edu; J. Sangoro, jsangoro@utk.edu

Materials for Energy and Environmental Sustainability (oral and poster submissions). L. Fan, fan.1@osu.edu; L. Qin, qin.96@osu.edu; S. Kawi, chekawis@nus.edu.sg; Y. Hanghu, yunhangh@mtu.edu; R. Motkuri, radhakashan.motkuri@pnnl.gov

Methane, Natural Gas Liquids Utilization and C₁ Catalysis (oral and poster submissions). L. Neal, lmeal2@ncsu.edu; N. Kumar, nitinkr41@gmail.com; J. Spivey, jspivey@su.edu; F. Li, fl15@ncsu.edu; J. Dou, jdou2@ncsu.edu

Progress in Macromolecular Chemistry for Advanced Fuels Formulation (oral and poster submissions). A. Nicolle, andre.nicolle@aramcooverseas.com

Recent Advancements in Lignin Valorization Strategies for Fuels and Chemicals (oral and poster submissions). A. Ragauskas, aragausk@utk.edu; C. Yoo, cyoo05@esf.edu

Renewable Plastics: Conversion of Waste Plastic to Fuels and Chemicals (oral and poster submissions). A. Padmaperuma, asanga.padmaperuma@pnnl.gov; M. Kidder, kidderm@ornl.gov; M. Thorson, michael.thorson@pnnl.gov; M. Olarte, mariefel.olarte@pnnl.gov

Storch Award. J. Liu, jingbo.liu@chem.tamu.edu

Symposium in Honor of Michael T. Klein: Energy and Fuels Since the Turn of the Century. R. Weber, robert.weber@pnnl.gov; D. Dadyburjor, dady.dadyburjor@mail.wvu.edu; R. Rodgers, rogers@magnet.fsu.edu; J. Shaw, jmshaw@ualberta.ca

Understanding of Energy Materials with Advanced Computation and Characterization (oral and poster submissions). T. Li, tli4@niu.edu; H. Zhao, haiyang@uidaho.edu; L. Cheng, leicheng@anl.gov

ENVIRONMENTAL CHEMISTRY

Program chair: S. Obare, U of North Carolina, soobare@uncg.edu

Abstracts due October 14.

Accurate Mass/High Resolution Mass Spectrometry for Environmental Monitoring and Remediation (oral and poster submissions) (cosponsored with CEI). T. Anumol, tarun.anumol@agilent.com; R. Marfil-Vega, rmarfilvega@shimadzu.com; T. Young, tyoung@ucdavis.edu; C. Zwiener, christian.zwiener@uni-tuebingen.de

ACS Award for Creative Advances in Environmental Science and Technology. V. Sharma, vsharma@sph.tamhsc.edu; S. Obare, soobare@uncg.edu

Advancing Chemical Oxidation and Reduction for Addressing Emerging Environmental Issues (oral and poster submissions). Y. Deng, dengy@mail.montclair.edu; X. Guan, guanxh@tongji.edu.cn; H. Zhang, hjz13@case.edu; W. Song, wsong@fudan.edu.cn

Applications and Implications of Nanomaterials and Their Toxic Effects (oral and poster submissions). S. Kanel, skanel@gmail.com; S. Hussain, saber.hussain@us.af.mil; B. Manning, bmanning@sfsu.edu; M. Nadagouda, nadagouda.mallikarjuna@epa.gov

Applications of Artificial Intelligence, Machine Learning and Data Analytics in Environmental Science and Engineering (oral and poster submissions). H. Zhang, hjz13@case.edu; Q. Li, qlin.li@rice.edu; A. Gu, aprilgu@cornell.edu; X. Ma, xma@civil.tamu.edu; Q. Ying, qying@civil.tamu.edu; Z. Cheng, chengz88@stju.edu.cn

Aquatic Photochemistry (oral and poster submissions; cosponsored with CEI). B. Arnold, arnold032@umn.edu; K. McNeill, kristopher.mcneill@env.ethz.ch; G. McKay, garrettmckay@mines.edu

Biogeochemical Transformation in Underground Environments: Natural Processes and Engineered Implementations for Contaminant Abatement (oral and poster submissions; cosponsored with GEOC and CEI). W. Yan, weiley.yan@ttu.edu; K. Millerick, kayleigh.millerick@ttu.edu; J. Ferry, ferry@mailbox.sc.edu; M. Siebecker, matthew.siebecker@ttu.edu

Chemical and Biotechnological Advances Directed to the Recycling of Plastics (oral and poster submissions; cosponsored with BIOT). J. Glaser, glaser.john@epa.gov

Current Status of Environmental Research on Water Contaminants. S. Ahuja, sutahuja@atmc.net; B. Loganathan, bloganathan@murraystate.edu

General Papers in Environmental Chemistry. S. Obare, soobare@uncg.edu

General Posters. S. Obare, soobare@uncg.edu

Governance and Standards in the History of Chemistry: Social and Environmental Impact (oral and poster submissions; cosponsored with HIST). M. Benvenuto, benvenma@udmercy.edu; P. Venugopal, venugoep@udmercy.edu

Great Achievements in ES&T: James J. Morgan Environmental Science and Technology Early Career Award Symposium. D. Sedlak, sedlak@est.acs.org; W. Aumiller, w_aumiller@acs.org

Green Chemistry and the Environment (oral and poster submissions; cosponsored with CEI). R. Luque, r62alsor@uco.es; S. Obare, soobare@uncg.edu

Impact of Engineered and Natural Nanomaterials on the Environment: A symposium in Honor of Dr. Michael F. Hochella (cosponsored with GEOC). V. Sharma, vsharma@sph.tamhsc.edu; D. Dionysiou, dionysios.d.dionysiou@uc.edu; P. Vikesland, pvikes@vt.edu; Q. Wan, wanquan@vip.gyig.ac.cn

Innovations, Advances, and Sustainability in Additive Manufacturing for Electrochemical, Energy, and Environmental Applications (oral and poster submissions). N. Aich, nirupama@buffalo.edu

Innovative and Practical Approaches for the Treatment of Per- and Polyfluoroalkyl Substances (PFASs) (oral and poster submissions). J. Liu, jyliu@engr.ucr.edu; J. Choe, jkchoe@snu.ac.kr; Y. Wang, wang292@uwm.edu; S. Vyas, sryas@mines.edu; Y. Choi, ychoi81@snu.ac.kr

Macromolecule Biosynthesis, Biodegradation, and Applications in Environmental Bioprocesses (oral and poster submissions). S. Yi, shan_yi@berkeley.edu; Y. Men, ymen2@illinois.edu; C. Sales, chris.sales@drexel.edu; W. Zhuang, wq.zhuang@auckland.ac.nz; X. Mao, xinwei.mao@stonybrook.edu

Micro- and Nano-Plastics in the Environment: Detection, Characterization, Fate and Impact (oral and poster submissions). S. Al-Abed, al-abad.souhail@epa.gov; P. Porter, potter.phillip@epa.gov; M. Gallagher, mgallagher@ju.edu

Novel Materials and Processes for Sustainable Water Treatment (oral and poster submissions). J. Ray, jessray@uw.edu; W. Tarpeh, wtarpeh@stanford.edu

Opioids and Their Impact on the Environment (oral and poster submissions). E. Schoffers, elke.schoffers@wmich.edu; S. Obare, soobare@uncg.edu

Performance of Stormwater Treatment Systems Under Changing Environments (oral and poster submissions; cosponsored with GEOC). S. Mohanty, mohanty@ucla.edu; S. Ravi, tuf77011@temple.edu; T. Dittrich, gk2840@wayne.edu

Re-envisioning Chemistry's Role in Environmental Sustainability: Perspectives on Progress and Future Directions (oral and poster submissions). J. Goldfarb, jlg459@cornell.edu; D. Kriner, kriner@cornell.edu; E. Ryan, ryanem@bu.edu

FLUORINE CHEMISTRY

Program chair: O. Boltalina, Colorado State U, ovbolt@amar.colostate.edu

Abstracts due October 21.

ACS Award for Creative Work in Fluorine Chemistry (oral and poster submissions). O. Boltalina, olga.boltalina@colostate.edu

Industrial Fluorine Chemistry (oral and poster submissions). R. Syvret, bsyvret@efgases.com; V. Petrov, viacheslav.petrov@chemours.com; O. Boltalina, olga.boltalina@colostate.edu

GEOCHEMISTRY

Program chair: A. Rouff, Rutgers U-Newark, ashaki.rouff@rutgers.edu

Abstracts due October 14.

40 Years of High-Resolution NMR Spectroscopy of Inorganic Solids. R. Kirkpatrick, rkirk@msu.edu; J. Stebbins, stebbins@stanford.edu; B. Phillips, brian.phillips@stonybrook.edu; G. Bowers, gmbowers1@smcm.edu

Crystallization Pathways: New Perspectives on Nucleation, Growth, and Dissolution of Natural and Synthetic Materials. Y. Hu, yhu11@uh.edu; S. Lee, sslee@anl.gov; M. Zhu, mzhu6@uwoy.edu; S. Riechers, shawn.riechers@pnnl.gov; S. Mergelsberg, sebastian.mergelsberg@pnnl.gov; M. Whittaker, mhwhittaker@lbl.gov

Engaging Students in Chemistry and Geochemistry with Environmental Issues and Career Pathways. K. Nagy, klnagy@uic.edu; D. Morales-Doyle, moralesd@uic.edu; A. Fitch, afitch@uc.edu

Environmental Challenges and Solutions in Oil and Gas Development. B. Burgos, wdb3@psu.edu; N. Warner, nrw6@psu.edu; T. Borch, thomas.borch@colostate.edu; D. Alessi, alessi@ualberta.ca; J. Bargar, bargar@slac.stanford.edu

Experimental and Computational Advances in the Study of Molecular Processes at Mineral-Water Interfaces. J. Bracco, jacquelyn.bracco@qc.cuny.edu; N. Kabengi, kabengi@gsu.edu; K. Yuan, yuank@ornl.gov

Fundamental Reactions Driving Macroscopic Geochemical Processes. V. Starchenko, starchenkov@ornl.gov; S. Lee, sslee@anl.gov; A. Stack, stackag@ornl.gov

General Geochemistry (oral and poster submissions). A. Rouff, ashaki.rouff@rutgers.edu

Iron Oxides: Their Phase Transformations, Structures, Kinetics, and Applications. S. Chen, szc81@psu.edu; J. Yan, jinshu@email.wustl.edu; X. Gu, xug102@psu.edu

Materials of the Universe: The Final Chemical Frontier. K. Lilova, kililova@ucdavis.edu; G. Costa, gustavo.costa@nasa.gov; E. Shock, eshock@asu.edu; A. Singh, arunimasingh@asu.edu; N. Hinkel, natalie.hinkel@gmail.com; A. Navrotsky, anavrotsky@ucdavis.edu

Microbially-Driven Geochemical Reactions: Kinetics and Communities. B. Burgos, wdb3@psu.edu; J. Macalady, jlm80@psu.edu; W. Leavitt, william.d.leavitt@dartmouth.edu; C. Chan, cschan@udel.edu

Reactive Transport Modeling: A Cutting-Edge Tool for Investigating Coupled Processes. H. Deng, hangdeng@lbl.gov; S. Molins, smolins@lbl.gov

Reactivity and Transformation of Manganese Oxides in Natural and Engineering Systems. B. Kim, bkim@temple.edu; E. Elzinga, elzinga@newark.rutgers.edu

HISTORY OF CHEMISTRY

Program chair: N. Tsarevsky, Southern Methodist U, nvt@smu.edu

Abstracts due October 21.

General Papers and Tutorial. N. Tsarevsky, nvt@smu.edu

History of Polymer Science. N. Tsarevsky, nvt@smu.edu; S. Rasmussen, seth.rasmussen@ndsu.edu; G. Patterson, gp9a@andrew.cmu.edu

Past ACS Presidents: The Life and Career of Daryle H. Busch. R. Egoif, rae4@psu.edu; J. Hayes, jmhayesacs@gmail.com

The Life and Legacy of Alfred Bader. M. Orna, maryvirginiaorna@gmail.com

INDUSTRIAL AND ENGINEERING CHEMISTRY

Program chair: R. Mayes, Oak Ridge National Laboratory, mayert@ornl.gov

Abstracts due October 14.

Critical Materials: Recycling, Recovery, and Alternatives. D. Reed, david.reed@inl.gov; M. Healy, healymr@ornl.gov; S. Bryantsev, bryantsev@ornl.gov; I. Belharouak, belharouaki@ornl.gov; V. Pol, vpol@purdue.edu; L. Gaines, lgaines@anl.gov; G. Fugate, fugatega@ornl.gov

I&EC Early Career Fellow: Symposium in honor of Pedro Castaño. J. Gascon, jorge.gascon@kaust.edu.sa

I&EC Fellow: Symposium in honor of Andrew Zydny. G. Belfort, belfog@rpi.edu

I&EC Fellow: Symposium in honor of Ronald Bruening and Krystof Krakowiak. R. Izatt, reedmizatt@gmail.com

I&EC General Papers (cosponsored with CTA). R. Mayes, mayert@ornl.gov; A. Ivashko, anna.c.ivashko@gmail.com

I&EC General Posters (cosponsored with CTA). R. Mayes, mayert@ornl.gov; A. Ivashko, anna.c.ivashko@gmail.com

Third Annual Joint Symposium from the Separations Science Subdivisions (cosponsored with ANYL). K. Taylor-Pashow, kathryn.taylor-pashow@srl.doe.gov

INORGANIC CHEMISTRY

Program chair: S. Koch, Stony Brook U, koch.stephen@gmail.com; N. Radu, DuPont, nora.s.radu@gmail.com

Abstracts due October 21.

Bioinorganic Chemistry: DNA, RNA and Inorganic Drugs (oral and poster submissions). S. Koch, koch.stephen@gmail.com

Bioinorganic Chemistry: Proteins and Enzymes and Model Systems (oral and poster submissions). S. Koch, koch.stephen@gmail.com

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

Chemistry of Materials - Materials for Energy and Catalytic Applications. C. Lugmair, claus.lugmair@clariant.com

Chemistry of Materials - Metal Organic Frameworks. C. Lugmair, claus.lugmair@clariant.com

Chemistry of Materials - Nanomaterials. C. Lugmair, claus.lugmair@clariant.com

Chemistry of Materials - Synthesis and Properties. C. Lugmair, claus.lugmair@clariant.com

Contributions of Synthetic Chemistry to Energy Storage (oral and poster submissions). S. Zhang, zhang.8941@osu.edu; C. Sevov, sevov.1@osu.edu

Coordination Chemistry: Characterization and Applications (oral and poster submissions). A. Larsen, alarsen@ithaca.edu

Coordination Chemistry: Synthesis and Characterization (oral and poster submissions). A. Larsen, alarsen@ithaca.edu

Creative Advances in Synthetic and Biological Coordination Chemistry (oral and poster submissions). R. Ghiladi, reza.ghiladi@ncsu.edu; E. Kim, eunsuk_kim@brown.edu; H. Lucas, hrlucas@vcu.edu

Electrochemistry (oral and poster submissions). N. Radu, nora.s.radu@gmail.com

Environmental and Energy-Related Inorganic Chemistry (oral and poster submissions). S. Koch, koch.stephen@gmail.com

Inorganic Catalysis (oral and poster submissions). S. Koch, koch.stephen@gmail.com

Inorganic Spectroscopy (oral and poster submissions). C. Popescu, ewba2202@stthomas.edu

Lanthanide and Actinide Chemistry (oral and poster submissions). A. de Bettencourt-Dias, abd@unr.edu

Main Group Chemistry (oral and poster submissions). T. Hudnall, hudnall@txstate.edu

Multimetallic Molecular and Extended Platforms for Energy Applications (oral and poster submissions). E. Matson, matson@chem.rochester.edu; A. Velian, avelian@u.w.edu; N. Mankad, nrm@uic.edu

Nanoscience (oral and poster submissions). B. Trewyn, btrewyn@mines.edu

Organometallic Chemistry: Catalysis. N. Radu, nora.s.radu@gmail.com

Organometallic Chemistry: Catalysis-Early Transition Metals. N. Radu, nora.s.radu@gmail.com

Organometallic Chemistry: Catalysis-Late Transition Metals. N. Radu, nora.s.radu@gmail.com

Organometallic Chemistry: Applications to Materials and Polymer Science (oral and poster submissions). N. Radu, nora.s.radu@gmail.com

Organometallic Chemistry: Applications to Organic Transformations (oral and poster submissions). N. Radu, nora.s.radu@gmail.com

Organometallic Chemistry: New Ligand Platforms (oral and poster submissions). N. Radu, nora.s.radu@gmail.com

Organometallic Chemistry: Synthesis and Characterization - Early Transition Metals (oral and poster submissions). N. Radu, nora.s.radu@gmail.com

Organometallic Chemistry: Synthesis and Characterization- Late Transition Metals (oral and poster submissions). N. Radu, nora.s.radu@gmail.com

Solid-State Inorganic Chemistry (oral and poster submissions). V. Poltavets, vpoltave@uno.edu; C. Lugmair, claus.lugmair@clarinet.com

Undergraduate Research at the Frontiers of Inorganic Chemistry (oral and poster submissions). C. Nataro, nataroc@lafayette.edu; S. Poland, poland@rose-hulman.edu

MEDICINAL CHEMISTRY

Program chair: J. Schwarz, E-Scape Bio, Inc., schwarzj@e-scapebio.com

Abstracts due October 14.

Academic Drug Discovery. E. Ambrose, ambrose@umn.edu; T. Moore, twmoore@uic.edu

Approaching the Next Inflection in Peptide Engineering: Cell Permeation and Oral Bioavailability. A. Golosov, andrei.golosov@novartis.com; K. Biswas, kaustav.biswas@merck.com; S. Ghodge, ghodge.swapnil@gene.com

Discovery and Development of an Integrin-Based Therapeutics. J. Stec, jstec@ketchum.edu; L. Patel, leena.patel@gilead.com

First Time Disclosure of Clinical Candidates. N. Goodwin, nicole.c.goodwin@gsk.com

General Orals. J. Schwarz, schwarzj@e-scapebio.com

General Posters. J. Schwarz, schwarzj@e-scapebio.com

Inspired by Nature. L. Van Hijfte, luc.vanhijfte@mercachem.com

Med Chem Toolbox: Conformational Control in Drug Design. K. Yeung, kapsun.yeung@bms.com; P. Scola, paul.scola@bms.com; Nicholas Meanwell, nicholas.meanwell@bms.com

MEDI Awards Symposium. J. Schwarz, schwarzj@e-scapebio.com

Modulation of Protein-Protein Interactions. A. Waterson, alex.g.waterson@vanderbilt.edu; J. Burke, jason.p.burke@abbvie.com

Novel Mechanisms of Neurodegeneration in Alzheimer's Disease. T. Doran, doran@umn.edu; C. Hopkins, corey.hopkins@ummc.edu

Strategies for Optimizing and Predicting Human Dose. A. Scholte, andrew.scholte@sanofi.com; T. Siu, tony_siu@merck.com

Targeting RNA with Small Molecules. A. Charnley, adam.k.earnley@gsk.com

Tissue Specific Delivery: TLR Agonists. J. Chen, jianc@amgen.com

NUCLEAR CHEMISTRY AND TECHNOLOGY

Program chair: J. Auxier, Los Alamos National Laboratory, jdauxier@lanl.gov; A. Hixon, U of Notre Dame, ahixon@nd.edu

Abstracts due October 14.

Computational Methods in Lanthanide and Actinide Chemistry (oral and poster submissions; cosponsored with INOR, COMP and PHYS). D. Penchoff, dpenchof@utk.edu; C. Peterson, charles.peterson@unt.edu; T. Windus, twindus@iastate.edu

General Topics in Nuclear and Radiochemistry. T. Forbes, tori-forbes@uiowa.edu

Macromolecular Actinide Chemistry. P. Burns, pburns@nd.edu; G. Sigmon, gsigmon@nd.edu

Radiotherapeutics: From Isotope Production to Targeted Delivery (oral and poster submissions; cosponsored with INOR and MEDI). R. Abergel, abergel@berkeley.edu; E. Balkin, ethan.balkin@science.doe.gov; S. Kozimor, stosh@lanl.gov

Seaborg Award Symposium.

The Future of the Periodic Table. C. Folden, folden@comp.tamu.edu; J. Shafer, jshafer@mines.edu; T. Albrecht-Schmitt, talbrechtschmitt@gmail.com

Young Investigators in Nuclear and Radiochemistry (oral and poster submissions; cosponsored with YCC). D. Penchoff, dpenchof@utk.edu; J.R. Powers-Luhn, jpowersl@vols.utk.edu

ORGANIC CHEMISTRY

Program chair: E. McLaughlin, Bard College, mclaughl@bard.edu; S. Silverman, Merck & Co., Inc., steven.silverman@merck.com

Abstracts due October 14.

ACS Award for Creative Work in Synthetic Organic Chemistry.

Advances in Macrocyclic Design: Computational and Biophysical Methods. S. Silverman, steven.silverman@merck.com

Advances in Macrocyclic Design: Computational and Biophysical Methods (cosponsored with COMP). A. Jain, ajain@jainlab.org; M. Reibarkh, mikhail_reibarkh@merck.com; E. Sherer, edward_sherer@merck.com

Advances in on-DNA Reaction Development for Encoded Library Technologies (cosponsored with MEDI). L. Marcaurelle, lisa.a.marcaurelle@gsk.com; Y. Ding, yun.x.ding@gsk.com

Approaches and Applications in Enzyme Engineering. M. Chiriac, maria.chiriac@merck.com; M. Ford, melissa.ford@merck.com

Asymmetric Reactions and Syntheses (oral and poster submissions). S. Silverman, steven.silverman@merck.com; E. McLaughlin, mclaughl@bard.edu

Biologically Related Molecules and Processes (oral and poster submissions). S. Silverman, steven.silverman@merck.com; E. McLaughlin, mclaughl@bard.edu

Carbon Allotropes, Materials, Devices and Switches (oral and poster submissions). S. Silverman, steven.silverman@merck.com; E. McLaughlin, mclaughl@bard.edu

CH Activation (oral and poster submissions). S. Silverman, steven.silverman@merck.com; E. McLaughlin, mclaughl@bard.edu

Chemical and Biological Synthesis of Anti-Infective Agents. K. Brown, brownmkb@indiana.edu; J. Pierce, jpierce@ncsu.edu

Contributions of Synthetic Chemistry to Energy Storage. S. Zhang, zhang.8941@osu.edu; C. Sevov, sevov1@osu.edu

Cross Coupling Reactions (oral and poster submissions). S. Silverman, steven.silverman@merck.com; E. McLaughlin, mclaughl@bard.edu

Electrochemistry in Organic Synthesis (oral and poster submissions). S. Silverman, steven.silverman@merck.com; E. McLaughlin, mclaughl@bard.edu

Elias J. Corey Award for Outstanding Original Contribution in Organic Synthesis by a Young Investigator.

Ernest Guenther Award in the Chemistry of Natural Products.

Flow Chemistry and Continuous Processes (oral and poster submissions). S. Silverman, steven.silverman@merck.com; E. McLaughlin, mclaughl@bard.edu

Frederic Stanley Kipping Award in Silicon Chemistry.

Gabor A. Somorjai Award for Creative Research in Catalysis.

Green Chemistry and Engineering: Designing and Discovering Innovative Solutions to Achieve a Sustainable Future. J. Obligation, jennifer.obligacion@merck.com; I. Martinez, i_martinez@acs.org

Green Methods and Syntheses (oral and poster submissions). S. Silverman, steven.silverman@merck.com; E. McLaughlin, mclaughl@bard.edu

Herbert C. Brown Award for Creative Research in Synthetic Methods.

Heterocycles and Aromatics (oral and poster submissions). S. Silverman, steven.silverman@merck.com; E. McLaughlin, mclaughl@bard.edu

Importance of Innovative Synthetic Chemistry in Pharmaceutical Process Research and Development. K. Maloney, kevin_maloney@merck.com; N. Patel, niki.patel1@merck.com

James Flack Norris Award in Physical Organic Chemistry.

Metal-Mediated Reactions and Syntheses (oral and poster submissions). S. Silverman, steven.silverman@merck.com; E. McLaughlin, mclaughl@bard.edu

Modern Methods in Polymer Chemistry (cosponsored with POLY). S. Silverman, steven.silverman@merck.com; J. Kalow, jkalow@northwestern.edu; B. Fors, bpf46@cornell.edu

Molecular Recognition and Self-Assembly (oral and poster submissions). S. Silverman, steven.silverman@merck.com; E. McLaughlin, mclaughl@bard.edu

New Reactions and Methodology (oral and poster submissions). S. Silverman, steven.silverman@merck.com; E. McLaughlin, mclaughl@bard.edu

Peptides, Proteins and Amino Acids (oral and poster submissions). S. Silverman, steven.silverman@merck.com; E. McLaughlin, mclaughl@bard.edu

Pharmaceutical Sciences: What Happens Next in Drug Delivery Development? L. Austin, lauren.austin@merck.com; R. Saklatvala, robert_saklatvala@merck.com; M. Gindy, marian.gindy@merck.com

Photoredox Chemistry (oral and poster submissions). S. Silverman, steven.silverman@merck.com; E. McLaughlin, mclaughl@bard.edu

Physical Organic Chemistry: Calculations, Mechanisms, Photochemistry and High-Energy Species (oral and poster submissions). S. Silverman, steven.silverman@merck.com; E. McLaughlin, mclaughl@bard.edu

Ralph F. Hirschmann Award in Peptide Chemistry.

Role of Synthetic Innovation in Delivering Clinical Candidates (oral and poster submissions). S. Silverman, steven.silverman@merck.com; E. McLaughlin, mclaughl@bard.edu

Ronald Breslow Award for Achievement in Biomimetic Chemistry.

Successful Products and Models of Undergraduate-Based Research: Good Science, Better Scientists. K. Wheeler, kraigwheeler@whitworth.edu; J. Reczek, reczekj@denison.edu

The Power of High Throughput Experimentation: Accelerated Synthetic Development and New Reaction Discovery. M. Emmert, marion.emmert@merck.com; M. Jouffroy, matthieu.jouffroy@merck.com

Total Synthesis of Complex Molecules (oral and poster submissions). S. Silverman, steven.silverman@merck.com; E. McLaughlin, mclaughl@bard.edu

PHYSICAL CHEMISTRY

Program chair: M. Zanni, U of Wisconsin-Madison, zanni@chem.wisc.edu

Abstracts due October 14.

2-D Materials for Energy, Sensing, and Quantum Information Science. M. Cotlet, cotlet@bnl.gov; D. Jariwala, dmj@seas.upenn.edu; D. DiMarzio, donald.dimarzio@ngc.com

Astrochemical Complexity in Planetary Systems. M. Cordiner, martin.cordiner@nasa.gov; C. Bennett, christopher.bennett@ucf.edu

Emerging Techniques to Probe Condensed Phase Dynamics Across Time and Space. G. Schlau-Cohen, gssc@mit.edu; C. Wong, cwong3@uoregon.edu

Experimental and Computational Approaches in Unraveling Mechanisms of Amyloid Formation. J. Lee, lee4@mail.nih.gov; L. Dominguez, lauradd@unam.mx

Graph Theory Underpinning New Domains of Physical Chemistry. A. Clark, auclark@wsu.edu; A. Niklasson, amn@lanl.gov

Molecular Crystal Polymorphism: How, When, and Why Molecules Pack in the Solid State. G. Beran, gregory.beran@ucr.edu; M. Baias, maria.baias@nyu.edu; M. Tuckerman, mark.tuckerman@nyu.edu

PHYS Division Awards. M. Zanni, zanni@chem.wisc.edu

PHYS Poster Session. M. Zanni, zanni@chem.wisc.edu

Physical Chemistry Research at Undergraduate Institutions. C. Parish, cparish@richmond.edu; T. Hopkins, tahopkin@butler.edu

Singlet Fission Materials and Mechanisms for Solar Energy Capture and Conversion. J. Asbury, jasbury@psu.edu; R. Frontiera, rff@umn.edu

Structure and Dynamics of Amyloids and Precursors by NMR. J. Baum, baum@chem.rutgers.edu; A. Nieuwkoop, andy.nieuwkoop@rutgers.edu

Synergy Between Quantum Computing and High-performance Computing in Quantum Chemistry and Materials Science (cosponsored with COMP). R. Di Felice, difelice@usc.edu; T. Humble, humblets@ornl.gov; B. De Jong, wadejong@lbl.gov

The Chemistry of Molecular Electronics. L. Venkataraman, lv2117@columbia.edu; G. Solomon, gsolomon@chem.ku.dk; M. Inkpen, inkpen@usc.edu; Z. Liu, zliu@wayne.edu; R. Chiechi, r.c.chiechi@rug.nl

POLYMERIC MATERIALS: SCIENCE AND ENGINEERING

Program chair: L. S. Baugh, ExxonMobil, lisa.s.baugh@exxonmobil.com; A. Burns, ExxonMobil, adam.b.burns@exxonmobil.com; J. Schaefer, U of Notre Dame, jennifer.l.schaefer.43@nd.edu; C. Snyder, National Institute of Standards and Technology, chadsnyd@nist.gov

Abstracts due October 21.

100 Years of Polymer Structures: Active Materials for Thin Films and Interfaces (cosponsored with POLY). T. Seery, thomas.seery@uconn.edu; L. Sun, luyi.sun@uconn.edu; W. Brittain, wjbrittain@txstate.edu; M. Buchmeiser, michael.buchmeiser@ipoc.uni-stuttgart.edu; S. Ludwigs, sabine.ludwigs@ipoc.uni-stuttgart.edu; O. Prucker, prucker@imtek.de; J. Ruhe, ruehe@imtek.uni-freiburg.de

Advances in Functionalized Polyolefin Synthesis. E. Harth, harth@uh.edu; D. Guironnet, guironne@illinois.edu; C. Chen, changle@ustc.edu.cn; B. Carrow, bcarrow@princeton.edu

Bio-inspired Macromolecular Materials. M. Webber, mwebber@nd.edu; P. Messersmith, philm@berkeley.edu; S. Lecommandoux, lecommandoux@enscbp.fr; N. Kamat, nkamat@northwestern.edu

Biomaterials for Tissue Engineering. S. Dishari, sdishari2@unl.edu; S. Callari, sc6au@virginia.edu; R. Letteri, rl2qm@virginia.edu

Celebrating 50 Years of Polymer Science at ExxonMobil's Corporate Research Laboratories (oral and poster submissions). L. Baugh, lisa.s.baugh@exxonmobil.com; A. Patil, abhimanyu.o.patil@exxonmobil.com; R. Register, register@princeton.edu; D. Schulz, donald.n.schulz@exxonmobil.com; C. Abney, carter.w.abney@exxonmobil.com

Cooperative Research Award. S. Jana, janasa@uakron.edu

Designing Polymers for Electrochemical Energy Conversion and Storage. J. Schaefer, jennifer.l.schaefer.43@nd.edu; J. Lutkenhaus, jodie.lutkenhaus@tamu.edu

Fundamentals of Macromolecular Crystallization. C. Snyder, chad.snyder@nist.gov; A. Burns, adam.b.burns@exxonmobil.com

Fundamentals of Macromolecular Glasses. Z. Fakhrabi, fakhrabi@sas.upenn.edu; D. Sussman, dmsussman@gmail.com

Fundamentals of Polymer Mechanics. E. Chan, edwin.chan@nist.gov

General Papers/New Concepts in Polymeric Materials. T. Bunning, timothy.bunning@us.af.mil

Macromolecular Materials for Advanced Organic Electronics and Bioelectronics. J. Mei, jgmei@purdue.edu; F. Gao, feng.gao@liu.se; S. Inal, sahika.inal@kaust.edu.sa; J. Xu, xuj@anl.gov

Macromolecular Materials for Healthcare: Drug Delivery. K. Mineart, kpm007@bucknell.edu; V. Prabhu, vivek.prabhu@nist.gov; C. Tang, ctang2@vcu.edu

Macromolecular Materials for Structural Applications. H. Koerner, hilmar.koerner.1@us.af.mil; J. Connell, john.w.connell@nasa.gov; R. Vaidyanathan, vaidyan@okstate.edu; N. Rudolph, natalie@arevolabs.com; M. Celina, mcelin@sandia.gov

Next Generation of Functional Polymeric Materials: Correlating Structure, Property and Application. A. Boydston, aboydston@wisc.edu; E. Pentzer, emilypentzer@tamu.edu; Z. Page, zpage@cm.utexas.edu

PMSE/POLY Poster Session. T. Bunning, timothy.bunning@us.af.mil

Polymer Nanocomposites: Fundamentals and Applications. K. Winey, winey@seas.upenn.edu; R. Riggelman, rrig@seas.upenn.edu

Polymer Processing: Additive Manufacturing of Functional Materials. Y. Diao, yingdiao@illinois.edu; B. Brettmann, blair.brettmann@mse.gatech.edu; Y. Wang, yuewang@ucmerced.edu; A. Boydston, aboydston@wisc.edu

Polymer Processing: Nanomanufacturing and Nanofabrication. Y. Ding, yifu.ding@colorado.edu; S. Yang, shuyang@seas.upenn.edu; A. Karim, akarim3@central.uh.edu

Polymers for the Environment. M. Sobkowicz-Kline, margaret_sobkowicz@uml.edu; W. Chen, wanting_chen@uml.edu

USA-Israel Joint Symposium: Polymeric Materials: From Synthesis to Application. M. Silverstein, michael@technion.ac.il; M. Grunlan, mgrunlan@tamu.edu; N. Lemcoff, lemcoff@bgu.ac.il; C. Soles, csoles@nist.gov; M. Davidovich-Pinhas, dmaya@bfe.technion.ac.il

POLYMER CHEMISTRY

Program chair: H. Brown, Dow Chemical Company, hbrown1@dow.com; T. Epps, U of Delaware, thepps@udel.edu; B. Helms, Lawrence Berkeley National Laboratory, bahelms@lbl.gov

Abstracts due October 21.

50 Years of Polymer Science and Engineering at Southern Miss (oral and poster submissions). Y. Simon, yoan.simon@usm.edu; S. Morgan, sarah.morgan@usm.edu; C. McCormick, charles.mccormick@usm.edu

Celebrating Inclusivity in Polymer and Materials Science. E. Pentzer, emilypentzer@tamu.edu; A. Anastasaki, ath.anastasaki@gmail.com; T. Junkers, tanja.junkers@monash.edu

Celebrating Underrepresented Groups in Polymer Science.

Engineering Functionality into Bio(mimetic) Polymers. A. Knight, aknight@unc.edu; A. Obermeyer, aco2134@columbia.edu

Excellence in Graduate Polymer Research (oral and poster submissions). H. Cheng, hcheng100@gmail.com; C. Ellison, cellison@umn.edu; C. Coltrain, christine.coltrain@kodak.com; telong@vt.edu

From Staudinger Macromolecules to the Genome of Macromolecules. V. Percec,

percec@sas.upenn.edu; M. Klein, mlklein@temple.edu

Frontiers in Conjugated Polymer Design and Synthesis (oral and poster submissions). **Green Polymer Chemistry: New Products, Processes and Applications** (oral and poster submissions). H. Cheng, hcheng100@gmail.com; R. Gross, grossr@rpi.edu

Industrial Developments in Polyolefin Macromolecular Design. K. Anderson, kdanderson1@dow.com; A. Young, ayoung@dow.com; G. Culcu, gursu.culcu@exxonmobil.com

Polymer Colloids: Synthesis, Analysis, Modeling and Application (oral and poster submissions). W. Gao, weigao@dow.com; J. Bohling, jbohling@dow.com; W. Wu, wenjun.wu@arkema.com; I. El-Hedok, iael-hedok@mmm.com; J. Tsavalas, john.tsavalas@unh.edu

Role of ASTM International in Polymer Testing and Analysis (oral and poster submissions). D. Garcia, dana.garcia@arkema.com; M. Lavach, mark.lavach@arkema.com

Structure to Function in Supramolecular Polymers and Materials (oral and poster submissions). R. Kielytyka, r.e.kielytyka@chem.leidenuniv.nl; P. Besenius, besenius@uni-mainz.de; J. Matson, jbmatson@vt.edu

The Road to Packaging Sustainability. A. Singh, asingh@dow.com; S. Brown, sgbrown1@dow.com

PROFESSIONAL RELATIONS

Program chair: J. Cohen, Rutgers University, cohenj@dls.rutgers.edu; R. Libby, Moravian College, libbyr@moravian.edu

Abstracts due October 21.

Challenges and Opportunities for Inclusive Chemistry Curriculum Design. S. Kennedy, skennedy25@radford.edu; K. Elkins, kmelkins@towson.edu

First-Generation Undergraduate Students Take on Research. S. Powell, spowell49@radford.edu; S. Kennedy, skennedy25@radford.edu

Healthcare in America: Where We've Been and Where We Can Go. J. Sabol, jsabol@chem-consult.com

International Opportunities for Collaboration. L. Greenblatt, lynne.greenblatt@gmail.com

LGBTQ+ Graduate Student and Postdoctoral Scholar Research Symposium. T. Yoon, tyoon@chem.wisc.edu; L. Eytel, lisaeytel@boisestate.edu

RUBBER

Will not be hosting symposia at this meeting.

SMALL CHEMICAL BUSINESSES

Program chair: J. Sabol, chemical consultant, jsabol@chem-consult.com

Abstracts due October 14.

Bridging the Divide between the Fine Arts and Science. M. Golden, mgolden@goldenpaints.com; J. Sabol, jsabol@chem-consult.com

Chemical Business Poster Session. G. Ruger, gruger04@yahoo.com

Competitive Business Climate. J. Sabol, jsabol@chem-consult.com

Global Entrepreneurship and Jobs in the Chemical Sector. M. Chorghade, chorghade@gmail.com

Start-up and Growing Businesses in the Polymer Sector. D. Ostrovsky, dennis.ostrovsky@saul.com

COMMITTEE ON ENVIRONMENTAL IMPROVEMENT

Will not be hosting symposia at this meeting.

COMMITTEE ON INTERNATIONAL ACTIVITIES

Will not be hosting symposia at this meeting.

COMMITTEE ON MINORITY AFFAIRS

Program chair: R. Joseph, St. Louis Community College, rjoseph15@stlcc.edu.

Abstract due date not available at press time.

COMMITTEE ON SCIENCE

Program chair: M. Fisher, Saint Vincent College, matt.fisher@stvincent.edu.

Abstract due date not available at press time.

COMMITTEE ON TECHNICIAN AFFAIRS

Will not be hosting symposia at this meeting.

SOCIETY COMMITTEE ON EDUCATION

Program chair: A. Carroll, Tennessee Tech University, acarroll@tntech.edu

Abstracts due October 21.

Diversity, Equity, and Inclusion in Chemistry (cosponsored with YCC and PROF). A. Carroll, acarroll@tntech.edu

Eminent Scientist Lecture with Dr. Rigoberto Hernandez. A. Carroll, acarroll@tntech.edu

Frontiers in Environmental Chemistry (cosponsored with ENVR). A. Carroll, acarroll@tntech.edu

Taking your Student Chapter to the Next Level. A. Carroll, acarroll@tntech.edu

WOMEN CHEMISTS

Program chair: R. Cole, U of Iowa, renee-cole@uiowa.edu

Abstracts due October 21.

The Art of Tooting Your Own Horn and Getting Paid for It. A. Balija, abalija@radford.edu

WCC Rising Star Award Symposium. M. Kane, mkane@rx.umaryland.edu

YOUNGER CHEMISTS

Program chair: D. Williams, U of Richmond, williamsde20@gmail.com; M. Brann, michellerbrann@gmail.com; J. Schmitt, jschmitt1531@gmail.com

Abstracts due October 19.