

Message from ACS President Peter K. Dorhout

Credit: Peter Curtis



256th ACS National Meeting.

Join me, along with thousands of presenters and attendees to network, learn, and share your science with colleagues as well as welcoming new members to your professional community. With the meeting theme of *Nanoscience, Nanotechnology & Beyond*, there are bound to be symposia that pique your interests.

On Sunday, I hope to see you at the Presidential symposium *Moving the Safety Values of the ACS Forward*. As many of you know, the safe practice of chemistry is a passion of mine, and I look forward to the opportunity to bring even greater focus to this core value of ACS (see my [C&EN Comment](#) from July 22). On Monday, there are several Presidential symposia: *Growing with Project SEED*, *Ion Transport at the Nanoscale*, and a symposium organized by the Environmental Division – *Synthetic Biology: The State of the Science*. Join your colleagues later that evening at the *Graduate Education Advisory Postdoctoral Reception*, featuring science cartoonist Jorge Cham.

On Sunday at noon, I look forward to seeing you and your colleagues at the ACS Board of Directors Regular session featuring Nobel Laureate Sir Fraser Stoddart. Later that afternoon, Jill Millstone from the University of Pittsburgh will

present the Kavli Foundation Emerging Leader in Chemistry Lecture on *Metal-ligand chemistry in nanoparticle synthesis and performance*. Following her presentation, Harry Atwater of the California Institute of Technology will give the Fred Kavli Innovations in Chemistry Lecture on *Light as Fuel*. On Monday afternoon, we honor and recognize the outstanding accomplishments of our 2018 class of ACS Fellows.

Along with the rich technical program, there are a myriad of career development programs for undergraduate and graduate students, postdocs, and chemical professionals. The career fair will provide opportunities for on-site interviews, one-on-one career assistance, and career-related workshops. Don't forget to stop by the exposition hall, featuring several hundred companies showcasing services, instruments,

books, and lab equipment.

In closing, I would like to ensure everyone has safety on their mind as they travel and participate in this enormous gathering. *Each of us has the responsibility to continue to instill a culture of safety* – for our colleagues and ourselves. If you notice an unsafe situation, please take the time to bring it to the attention of someone in the convention center or your hotel.

I know this will be a tremendously successful meeting, and I thank you all for your contributions. My personal thanks go to our hosts at the Northeastern Section, the divisional program chairs and symposium chairs responsible for organizing the technical sessions, and all the volunteer leaders in ACS who work to create an outstanding meeting.

CMA Honors Project SEED at 50!

Ann Kimble-Hill, Chair, Committee on Minority Affairs

As we prepare for the National Meeting in Boston, the ACS Committee on Minority Affairs (CMA) invites all committees and ACS members in general to join us in celebrating the ACS Project SEED summer research program on the occasion of its 50th anniversary. For 50 years, Project SEED has opened new doors for economically disadvantaged students to experience what it's like to be a chemist. Students entering their junior or senior year in high school

are given a rare opportunity to work alongside scientist-mentors on research projects in industrial, academic, and federal laboratories, discovering new career paths as they approach critical turning points in their lives. Since 1968, nearly 11,000 students have been mentored by this remarkable program.

The Committee on Minority Affairs will pay tribute to Project SEED during our CMA Luncheon on Monday, August 20th at the Sheraton Boston Hotel.

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ACS COUNCIL MEETING

8:00 a.m.
Wednesday
August 22, 2018

Ballrooms A-C
Hynes Convention
Center

Check-in Opens
7:00 a.m.

This newsletter is produced by the Office of the Secretary and General Counsel. For more information please contact:

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Leading the Chemical Safety Landscape

Ralph Stuart, Chair, Committee on Chemical Safety

Since its creation in 1963, the Committee on Chemical Safety (CCS) has served as a resource to other ACS units on matters related to chemical safety and health. CCS has, for example, produced a number of safety guidance resources, which are available at www.acs.org/safety.

This February, at the request of ACS President Peter K. Dorhout, CCS partnered with the Division of Chemical Health & Safety to organize the first ACS Safety Summit. The goal of the summit was to identify strategies to advance ACS's strategic value of "professionalism, safety, and ethics." A group of 29 stakeholders, including ACS members and representatives of sister organizations, met to delve more deeply into the connections between ACS strategy and key chemical safety issues. Areas of discussion included laboratory chemical safety information, partnerships and communities that would empower the development of chemical safety skills, laboratory safety education needs, and communication strategies about the im-

portance of risk assessment in chemical safety practice and policies.

Dorhout's report on the summit appeared in C&EN earlier this year, and I am pleased to report that significant work has begun on moving the ideas discussed at the summit forward.

In addition to the work of the summit, many other activities related to academic chemical safety are under way within ACS:

- The Division of Chemical Health & Safety (CHAS) has organized a full-day presidential symposium at the fall ACS national meeting in Boston that will discuss the outcomes of the summit in more detail than is possible in the written reports.
- CHAS has released a short video highlighting the importance of laboratory risk assessment on its website. Production of this video was made possible by the Technical Division Innovative Project Grant program.
- The ACS Office of Chemical Safety worked with the U.S. Consumer Product Safety

Commission and ACS Productions to develop a video about the hazards of flammable liquids, particularly concerns about the flame-jetting phenomenon associated with the rainbow demonstration.

- Members of ACS governance, including ACS Immediate Past-President Allison Campbell, and staff participated in the University of California's lab safety workshop in Chicago, which ACS cosponsored.
- The CCS Communications Subcommittee met with ACS and C&EN staff to discuss elements of a communication strategy that ACS can implement to improve the public's understanding of chemical risks and how they are best managed.

Thanks to the ongoing support of several members of the ACS presidential succession over the past five years and the dedicated service of the members of the safety community, ACS has become an important leader in the chemical safety landscape. The safety strategy that has emerged from this year's summit will continue to enhance the society's role and raise the bar for safety practices across the scientific enterprise.

Bulletin 5 updated as of July 1, 2018

The ACS Governing Documents (Bulletin 5) have been updated as of July 1, 2018 (www.acs.org/bulletin5), to include changes per the Petition on the Composition of Society Committees, which was approved by Council at the spring 2018 meeting in New Orleans and confirmed June 1 by the Board of Directors. Also at the above link are current bylaws for Divisions, Local Sections, and International Chemical Sciences Chapters, model bylaws for these different units, bylaw status reports, and petitions to amend the Constitution and Bylaws. In particular, you can access petitions for action and the Petition to Streamline the ACS Governing Documents, which will be in the Council agenda for consideration at the Boston meeting. If you have any questions or comments about bylaws or petitions, or need help in updating your bylaws, contact the Committee on Constitution and Bylaws (C&B) at bylaws@acs.org.

Council Policy Committee

Open Forum

Councilors Welcome!

Tuesday,
August 21, 2018

11:30 a.m. – 12:00 p.m.

Sheraton Boston Hotel
Constitution B

ACS FREQUENTLY REQUESTED NUMBERS

Unless otherwise noted, first dial (800) 227-5558. When prompted, dial the extension given below. To contact other offices, dial the 800 number and ask for operator assistance, or visit the ACS website, www.acs.org.

Address changes
(800) 333-9511

Career Services x 4432
www.acs.org/careers
careers@acs.org

Development x 6210
www.acs.org/donate
donate@acs.org

Divisions x 4401
www.acs.org/divisions
division@acs.org

Education
K-12 programs x 4382
www.acs.org/education
education2@acs.org

Education, undergraduate x 4480
www.acs.org/undergrad
undergrad@acs.org

Gifts and other products x 4600
help@acs.org

National Chemistry Week x 6097
www.acs.org/ncw
ncw@acs.org

Public Affairs x 4386

Local sections x 4611
olsa@acs.org

Meetings, national x 4374
www.acs.org/meetings
nationalmeetings@acs.org

Meetings, regional x 6129
www.acs.org/regionalmeetings

Membership (800) 333-9511
service@acs.org

Records and accounts (800) 333-9511

Secretary x 4461
secretary@acs.org

ACS Highlights Chemical Safety Issues on Capitol Hill

Diane Grob Schmidt, Chair, Board Committee on Corporation Associates

On April 20, the Committee on Corporation Associates Safety Subcommittee Chair, Neal Langerman, spoke at an ACS-sponsored Chemistry Caucus event titled ‘Securing Chemical Facilities: Examining the Chemical Facility Anti-Terrorism Standards’. The ACS, in cooperation with the American Chemistry Council (ACC), the National Association of Chemical Distributors (NACD), and the Congressional Chemistry Caucus, hosted a briefing titled Securing Chemical Facilities: Examining the Chemical Facility Anti-Terrorism Standards (CFATS). CFATS are up for reauthorization on January 19, 2019. A panel made up of David Wulf from the Department of Homeland

Security (DHS), Jennifer Gibson from National Association of Chemical Distributors (NACD), Neil Langerman representing the ACS, and Kristen Meskill from the BASF Corporation, informed congressional staff on the program, its importance, and how it impacts various industries, from chemical manufacturing to universities.

The panelists represented the regulator (DHS), the large chemical manufacturing sector (ACC), the chemical distribution sector (NACD), and the research and academic laboratory sector (ACS). Mr. Wulf explained the CFATS regulations and outlined how the Department had simplified the compliance process over the past four years. Ms. Meskill out-

lined the position of the BASF Corporation globally and domestically, and explained how BASF meets the CFATS requirements at each of its U.S. manufacturing locations. She highlighted the value of regulatory consistency and being able to predict how regulations will evolve over the next few years. Ms. Gibson described the role of approximately 1000 individual chemical distribution companies as the connection between chemical manufacturers and chemical end-users. She addressed the improvements made by DHS in simplifying compliance for these individual companies and emphasized the need for stability in the regulatory framework. Dr. Langerman addressed the differences between a manufacturing or chemical end-user site and a

research or teaching laboratory. He expressed that the CFATS regulations resulted in a reduction in the quantities of chemicals-of-interest on campuses and that it fostered the application of green chemistry principles.

The panelists all emphasized the desirability of reauthorizing the CFATS legislation before it expires in January 2019. While each sector had a list of changes they would like to see in a newly authorized CFATS, none dwelled on this in favor of long-term stability in the legislation.

The comments from the audience were positive and reflected the value of roundtable events such as this in improving the understanding of Congress on upcoming legislation.

Project SEED Celebrates 50 Years!

Don L. Warner, Chair, Committee on Project SEED



The Committee on Project SEED has exciting events planned for the 256th ACS National Meeting & Exposition in Boston. As we hope everyone is aware, Project SEED celebrates its 50 years of

providing research opportunities to high school students from economically disadvantaged families. To recognize this momentous occasion, Project SEED will host special events on Monday, August 20th. First, a half day Presidential Symposium, ‘Growing with Project SEED: 50 years and 10,000+ Students’, will feature the impact of Project SEED on the lives of six former participants. The featured alumni represent 40 of Project SEED’s 50 year history, and we will also hear from a special guest speaker, Sir Fraser Stoddart, Chemistry Nobel Laureate, who is helping the fundraising campaign for Project SEED. The symposium will conclude with ‘The Impact of Project SEED: A Panel Discussion’, featuring former Project SEED students, mentors, and coordinators, who will offer thoughts that will reflect their unique experiences with SEED. (Sheraton Boston Hotel, 8:30 – 11:30 AM, Back Bay D).

The celebration will continue in the afternoon with a reception to recognize current mentors and coordinators, the individuals who allocate a tremendous amount of time and dedication to ensuring each Project SEED participant has a fantastic summer research experience (Sheraton Boston Hotel, 2:00 – 4:00 PM, Republic B). At the final event, on Monday evening at the Sci-Mix poster session, nearly 60 Project SEED students will present posters describing the research they have been conducting this summer. The poster session will be a fantastic opportunity to talk with the Society’s future chemists!

Lastly, we would like to encourage all of you to celebrate Project SEED’s golden anniversary by offering a financial contribution (click here for more information.) We look forward to seeing you in Boston!

CEPA Supports ACS Members in Their Professional Lives - Modernizing Our Approach

Tiffany Hoerter, Chair, Committee on Economic and Professional Affairs

The Committee on Economic and Professional Affairs (CEPA) works with ACS Career Services to support ACS members in their professional lives. CEPA, ACS staff, ACS members and other stakeholders are focused on working together to deliver on the following strategic goals:

1. Identify, support, deliver, and evaluate programs relevant to economic and professional affairs
2. Improve, update, develop, curate, and disseminate relevant policies and codes of conduct
3. Recommend, develop, and evaluate critical resources and services to support member careers

The job market for careers in chemistry is dynamic, and potential career paths for ACS members are constantly evolving. Armed with this knowledge, CEPA is continuing our modernization of career services on behalf of our membership. During the past year, we have focused on evaluation of the career offerings supported by our committee. Career Workshops, the ACS Career Fair, and ACS Career Consultant Program are undergoing review and revitalization.

ACS Career Workshops

The CEPA Subcommittee on Events, Volunteers, and Employment Services, led by Dr. Dana Ferraris, established rubrics and review cycles for the ACS Career Workshops to ensure that they are effectively delivering education and resources to our members. This collaborative process has allowed workshop presenters, ACS members, ACS governance, and ACS staff to share knowledge, best practices and incorporate participant feed-

back, delivering ever stronger and relevant content to our members.

ACS National Meeting Career Fair Updates

Despite significant updates and modernization efforts, the ACS National Meeting Career Fair continues to see declining employer participation. Additionally, only 10-12% of members typically attend ACS National Meetings and would have an opportunity to participate in such career fairs. In order to meet the needs of more of our members and increase the member to employer ratios, ACS jumpstarted a pilot local career fair tour in order to meet more members, connect with local employers, and expand the career fair beyond the National Meeting. Trial events are being hosted in Houston, TX; Philadelphia, PA; San Francisco, CA and Augusta, GA. These local fairs will embody features of the national career fair, including career pathway workshops, career consulting and onsite interviews by participating employers with open positions. In partnership with the local ACS sections, these fairs aim to become a viable resource for those that are looking to start their career, make a career change or find a new opportunity following a layoff. Through these efforts, CEPA will build stronger relationships with employers to help understand their needs and connect them with ACS members.

ACS Career Consultant Program

The ACS career consultant program is also working to better serve members outside of the national meeting. The online career consultant program offers personalized consulting to assist members with resume preparation, job search strategies, interviewing techniques, career transitions and more. We have a

dedicated core team of consultants, representing industry, academia, government, entrepreneurs, small business, human resources, and many other career functions; however, we continue to seek additional consultants to serve the dynamic career needs of our members, both domestically and internationally. Technology upgrades are in progress and will enable members to connect with consultants using their smartphone, live streaming videos and other electronic resources, anytime and anywhere.

Your Voice is Important

Whether you are a student, a young professional, a mid-career chemist, a person nearing retirement, starting a new career path, or facing unemployment, CEPA's vision is that you have a fulfilling professional life. We strive to provide programs, products and services to help you achieve your career needs and goals. Utilizing our strategic goals and initiatives, we are working to continuously improve and modernize our efforts to address the diverse and dynamic chemical employment landscape. Please share your thoughts or questions about ACS' Career Services offerings via email to careers@acs.org



GREAT CHEMISTRY HAPPENS AT REGIONAL MEETINGS

Fall 2018

**Midwest (MWRM)
Regional Meeting**
Oct. 21-23 | Ames, IA

**Nano WRM
Regional Meeting**
Oct. 27 | Pasadena, CA

**Southeastern (SERMACS)
Regional Meeting**
Oct. 31-Nov. 3
Augusta, GA

**Southwest (SWRM)
Regional Meeting**
Nov. 7-10 | Little Rock, AR

For more information, link to the individual meeting sites from www.acs.org/meetings/regional

Electronic Voting at Council Meeting

At the ACS Council Meeting in Boston, Councilors will be using a hand-held audience response system for balloting for Elected Committees and for other votes when necessary. As usual, there will be a hands-on demonstration prior to the elections.

A numbered 'clicker' will be assigned to each voting Councilor during the Council check in. These clickers will be collected after voting is completed.

There is a \$100 fine for each clicker not returned!

Where Can I Get the Latest on What's Happening at Council?

Mary Carroll, Vice Chair, Council Policy Committee (CPC)

Where can I get the latest on what's happening at Council?" or "I wonder what other Councilors have to say about this?" are some of the questions asked just before Council meetings.

As we get ready for Boston, I encourage you to use the [Councilor Group on the ACS Network](#). The site hosts materials related to the [Council](#) as well as active discussions. Two items, the Council Agenda and information about a Strategy Cafe for Councilors at the ACS National Meeting in Boston, have recently been posted. We will also have a special discussion item during the Fall 2018 Council meeting, on what role(s) should ACS play in preventing sexual harassment in the sciences.

The Councilor Group was established by CPC to enable ACS Councilors and Alter-

nate Councilors an opportunity to engage in discussions, share experiences, get advice, and form connections. It provides a platform to inform our new Councilors about the ACS and its governance, as well as allowing all Councilors to participate in debates and share information.

If you have not already joined the Councilor Group, you may do so on the ACS Network at <https://communities.acs.org/groups/councilor-group>. You will need an [ACS ID](#) and password.

We hope you will use this platform to share, interact, and collaborate with other leaders. Once you become a member, you can set it to email automatic alerts of new postings. You can also subscribe to the RSS ([Really Simple Syndication](#)) feed. If you have any questions or should need assistance with joining the group, please email Semora Smith at s_smith@acs.org.

Safe travels to Boston! I look forward to seeing you there.

Be a Social Media Pro: Attend Social Media 101

Are you going to the national meeting in Boston and want to learn more about social media? Join your colleagues and attend Social Media 101 sponsored by the Committee on Public Relations and Communications (CPRC) and IUPAC's Committee on Chemical Research Applied to World Needs (CHEMRAWN).

In this workshop, chemistry professionals with extensive experience using platforms such as Facebook, LinkedIn, Twitter, Instagram, Periscope, Pinterest, YouTube, Slack,

and Basecamp will lead platform-targeted workshops to assist attendees in creating a personal brand, developing a social strategy, communicating their science, and leading projects and personnel.

The event will be held on **Sunday, August 19, from 1:30 p.m. to 3:30 p.m.** in the Hampton A/B room of the Sheraton Boston during the fall national meeting in Boston. For more information, please visit <http://bit.ly/SM101ACSBOS>

ACS Councilor Caucuses All at Sheraton Boston Hotel

Sunday, August 19, 2018

6:00 p.m.	District II	Hampton A/B
	District III	Berkeley A/B
	District IV	Riverway
	District V	The Fens
	District VI	Public Garden

Tuesday, August 21, 2018

4:00 p.m.	Division Officers and Councilors	Riverway
5:30 p.m.	District I	Commonwealth

Senior Chemists Breakfast



Tuesday, August 21 at 7:30 a.m., we will have the Senior Chemists Breakfast during the ACS National Meeting in Boston, MA at the Sheraton Boston Hotel, Republic A/B. The keynote speaker will be **Richard Newman, Head of Scientific Research at the Museum of Fine Arts in Boston**. His talk "Science in an Art Museum: Breakfast-Friendly Stories from the Museum of Fine Arts" will give a brief history of science labs in art museums and focus on three projects from the museum's collection. Tickets (\$20) are available with [ACS registration](#).

The Senior Chemists
Committee
has a NEW HOME
on ACS.org!
Visit us at
www.acs.org/seniorchemists



Share Your Expertise



Help the Next Generation



Give Career Advice



Don't Miss It!

SCI-MIX

Monday, August 20, 2018
8:00 p.m. - 10:00 p.m.

Boston Convention and Exhibition Center

News from YCC

Don't collaborate until you see the whites of their eyes!

Natalie LaFranzo, Chair, Committee on Younger Chemists

The Younger Chemists Committee (YCC) believes in the power of collaboration as it provides all of us a mechanism to create something that is much greater than the sum of our individual parts. We have recently reimagined our YCC Liaison program in order to strengthen our existing ties within the Society, but to also forge new ones as we continue to advocate for, develop, and support rising chemists and their needs. In the era of virtual networking and blind social media connections, younger chemists still believe in the power of face-to-face networking as a way to build up our communities for the future. As a result of this effort, you will most definitely be seeing new, younger faces at many of your Committee meetings, so please feel free to go up to our YCC Liaisons, introduce yourself and ask how the YCC may collaborate with you.

Upcoming Programming for 256th ACS Meeting

The YCC is looking forward to another great National ACS Meeting in Boston where we are collaborating with groups from across the Society to provide an impactful and memora-

ble experience for all chemists in attendance, both young and old alike!

On Sunday, August 19, the YCC will hold its open committee meeting with visitors wel-



come to attend from 11 a.m. to 12 p.m. Please see the official program for the location of this meeting and feel free to join us to share many of the wonderful things you and your colleagues are doing, as well as learn about what we have in store for the coming year. That afternoon we will be hosting a symposium in collaboration with CPRC and IAC on "Chemistry as a Second Language: Strategies for Global Scientific Collaboration" where invited speakers will share their advice and approach to communicating science with an international audience. The YCC will also be contributing to the Undergraduate program by teaching an interactive session on "Networking 101" be-

fore hosting our traditional YCC Social somewhere near the governance hotel, so please check our social media channels to learn where to join us!

On Monday, August 20, the

YCC will be holding our always popular "Fun Run" in memory of Christine Jaworek-Lopes, a beloved former member of the host NESACS Section that loved running, yet unfortunately lost her battle with cancer. Please come join us, starting at the Boston Convention Center, to celebrate the life of Christine and enjoy a run through Boston. That same day, we are honored to be hosting a Presidential Symposium, in collaboration with BMGT, on "Artificial Intelligence & Its Impact on the Chemical Enterprise" where invited speakers will regale how artificial intelligence is changing the way research is conducted and how this will create many ethical challenges in the future.

We are collaborating with PROF to hold an interactive panel discussion on "How to Get Your First Industrial Job" at the Boston Convention Center in one of the new open interactive innovation stations, before co-hosting a "Doughnut Sundae" networking session with the Senior Chemists Committee to provide a chance for younger chemists to network with professionals while enjoying a nice sweet treat.

On Tuesday, we are hosting an all-day symposium on "Best of Both Worlds: Green Chemistry in Academia & Industry" where speakers will be sharing many of the technical achievements and commercial successes from the collaborative development of green chemistry. We will wrap up our YCC program on Wednesday morning when we host our symposium on "Chemistry in Space: Past, Present & Future"

Please keep an eye out for more information and notifications the YCC will be sending out through our Facebook ([ycc.acs](https://www.facebook.com/ycc.acs)), Twitter ([@ycc_acs](https://twitter.com/ycc_acs)), and LinkedIn social media accounts throughout the meeting, or check out our newly redesigned website (<https://acsycc.org/>). We look forward to you joining us in Boston!

Attention Chairs

Guidelines for Visual Presentations and Supplemental Material to Council

The Council Policy Committee recently amended the *Guidelines for Visual Presentations and Supplemental Material to Council*, specifically regarding the use of supplemental material at Council meetings.

Supplemental material refers to items intended as background for the oral reports of officers or committees or for their key priorities and activities, and not included in the Council agenda. It may consist of information accessible electronically or promotional items (brochures, buttons, pins, etc.) intended to promote or highlight a committee activity or program.

Committee chairs are urged to include URLs and links to the materials in their oral reports and graphics. These links will be captured by staff and made available in the talking points issued to all Councilors after the meeting. In the interest of promoting good practices for sustainable meetings, the distribution of paper handouts at Council meetings is not allowed.

Permission to provide promotional items (brochures, buttons, pins, etc.) at Council should be requested by a committee or officer at the appropriate meeting of the CPC Subgroup to review oral reports to Council, or directly to CPC if no oral report will be offered. If approval is given by CPC, the committee (coordinated by its staff liaison) is responsible for placing the items on the table provided for this purpose at the entrance to the Council

International Chemical Sciences Chapters: A Petition to Amend Bylaw IX

Jens Breffke, Chair, Committee on International Activities

An important issue will come before Council at its Boston meeting to amend ACS Bylaws concerning International Chemical Sciences Chapters (now known as International Chapters).

There are two components to the proposed updated Bylaw revision:

- Remove the restriction preventing allotment of funds to International Chapters. The revision does not affirmatively stipulate allotment of funds, but it does leave open the door for the ACS Board of Directors to grant funds in response to requests they may receive from International Chapters. Adoption of this change would not in any way take any dues funds from Divisions or Local Sections.
- Remove the restriction that International Chapters are not entitled to elected representation on the Council. Adoption of this revision does not permit them to have Councilors, but it paves the way in case this is considered appropriate in the future.

The petition, if approved, would create a pathway for International Chapters to have a role in the Society to help to carry out Article II, Section 3 of the ACS Constitution: "The SOCIETY shall cooperate

with scientists internationally and shall be concerned with the worldwide application of chemistry to the needs of humanity."

Current Statistics

As of December 31, 2017, 18.1% of ACS members lived and/or worked in 134 countries outside the U.S., making this an issue that affects a sizable proportion of the Society's membership. In addition, over the past 10 years (December 31, 2007 to December 31, 2017), the total membership of ACS has decreased from just over 160,000 to just under 151,000 (a drop of 5.7%).

Interestingly, domestic membership has decreased by 10.9% (more than 138,000 to more than 123,000), while its foreign membership has increased by 27.5% (more than 21,000 to more than 27,000).

When examining "national" dues revenue for the Society international members account for nearly a fifth of the total collected in 2017 (national dues do not include Local Section, Division, etc. dues). While ACS is currently running a test of discounted dues structures for residents of emerging economies, it is important to note that only 28% of our international members are part of this program. The remaining 72% (over 19,000) of our international members paid the same full dues rate as domestic members did in 2017.

Currently, there are 21 International Chapters: Australia, Brazil, China National Capital Area, Hong Kong, Hungary, India, Iraq, Jordan, Malaysia, Nigeria, Peru, Qatar, Romania, Saudi Arabia, Shanghai, South Africa, South Korea, Southwestern China, Taiwan, Thailand and the United Arab Emirates. Some 9,800 ACS members have joined one of these International Chapters as of the end of 2017.

International Chapters work in close cooperation with their corresponding national chemical societies and serve as a major link between ACS and the other organizations. They do not compete with each other, but work together to provide activities and programs in an atmosphere of trust.

The petition has been referred to the Committee on Membership Affairs (committee having primary substantive responsibility) and the committees on Divisional Activities, Local Section Activities, Budget and Finance, Constitution and Bylaws, and the Council Policy Committee.

For further information on the petition please contact International Activities, intlacts@acs.org

HIGHLIGHTS OF COUNCIL AGENDA

Wednesday, August 22, 2018

8 a.m. - Noon

Hynes Convention Center | Ballroom A- C

Special Discussion Topic

What role(s) should ACS play in preventing sexual harassment in the sciences?

Items for Council Action:

- ◆ Election to Council Policy Committee, pp. 17-25
- ◆ Election to Committee on Nominations and Elections, pp. 26-34
- ◆ Election to Committee on Committees, pp. 35-42
- ◆ Petition on Affiliation with Other Technical Organizations, pp. 84-85
- ◆ Petition to Remove Restrictions for International Chemical Sciences Chapters, pp. 86-87
- ◆ Petition to Charter an International Chemical Sciences Chapter, p. 166

Committee on Women Chemists (WCC) Events in Boston

Kimberly A Woznick, Chair, WCC

During the Spring 2018 national meeting in New Orleans, the Women Chemists Committee was proud to partner with *Chemical & Engineering News* (C&EN) in sponsoring a full-day symposium focused on “The Science of Sexual Harassment.” This was a Presidential-sponsored symposium, and WCC was grateful for the support of many groups within ACS for their support for this program. This symposium was a wild success with all seats in the session occupied and additional attendees standing in the back of the room and out the door.

Councilors, you may have seen on the Council Agenda the special discussion topic of sexual harassment. The WCC would like to encourage councilors to carefully consider this topic and the attachments provided in the council agenda in advance of the council meeting. The council agenda includes an excerpt from the National Academies of Sciences, Engineering & Medicine Consensus Study Report, on “Sexual Harassment of Women: Climate, Culture, and Consequences in Academic Sciences, Engineering and Medicine.” The full 300+ page electronic version is available as a free download at: <https://www.nap.edu/catalog/24994/sexual-harassment-of-women-climate-culture-and-consequences-in-academic> In addition to the report from the National Academies, we would like to offer these related materials:

- September 18, 2017 Cover Story of C&EN, <https://cen.acs.org/articles/95/i37/Confronting-sexual-harassment-chemistry.html>
- Recorded Presentations from the Spring symposium “Science of Sexual Harassment”, <https://cen.acs.org/careers/women-in-science/Watch-presentations-Science-Sexual->

[Harassmentsymposium/96/i15](https://www.acs.org/content/acs/en/acs-webinars/popular-chemistry/harassment.html) Many of you may have seen the impactful posters around the governance hotel, but may not have been able to join us for the sessions.

- ACS Webinar Recording “Sexual Harassment in the Sciences: Steps Forward” <https://www.acs.org/content/acs/en/acs-webinars/popular-chemistry/harassment.html>

WCC also has many exciting events planned for the upcoming Boston national meeting. WCC invites you to attend the half-day symposium featuring the eight incredibly talented graduate students (in the fields of organic, medicinal, analytical, chemical biology, computational or structural chemistry) who are the winners of the 2018 Merck Research Award. This symposium will take place on Sunday August 19, at 8:25 am in the Westin Boston Waterfront, Marina Ballroom II.

WCC was pleased to feature Valerie Kuck, recipient of the 2018 Francis P. Garvan-John M. Olin Medal as our Spring 2018 Luncheon speaker. We are overjoyed to continue this celebration of all of Val Kuck’s accomplishments during the Fall 2018 national meeting when we sponsor a half-day symposium full of speakers honoring Valerie Kuck, on Monday August 20, at 1:30 p.m. at the Sheraton Boston Hotel, Independence East.

In collaboration with Springer Nature, WCC will be launching the second edition of the book *Mom the Chemistry Professor*. The launch will begin with a “Meet the Editors” event, Sunday evening, August 19, from 5:30-6:30 p.m. at the Springer Nature booth at the opening of the Expo, in the Boston Convention Center. WCC will later sponsor a full-day symposium

on Tuesday, August 21, starting at 9am, in Liberty C in the Sheraton Boston Hotel. The celebration will continue immediately following the symposium at the WCC Open Meeting and Just Cocktails event 5-6:30 p.m. Liberty A/B, also at the Sheraton.

WCC will also continue our successful events; Women in the Chemical Enterprise Breakfast (Monday, 8/20, 7:30 a.m., Constitution A), Women Chemists of Color Networking Event (Monday 8/20, 9:30 a.m., Commonwealth), and the WCC Luncheon (Tuesday 8/21, noon, Republic A/B) all held at the Sheraton Boston Hotel.

We look forward to seeing you in Boston!

YELLOW BOOK NEWS

Yellow Book Available Online

The Office of the Secretary and General Counsel is pleased to announce that the **2018 Yellow Book** will be available online by August 10. Working with the ACS Information Technology Unit, several program upgrades and enhancements were made, and will continue to be made, to the Yellow Book database. By taking the time to make the necessary changes, we expect to be able to publish the Yellow Book online biannually, and then quarterly. Please be sure to log on and view the Yellow Book at the secure site <https://www.yellowbook.acs.org>. We thank you for your patience, and as always, contact us with any comments and/or questions you may have at secretary@acs.org.

CPC Policy on Use of Yellow Book

The Council Policy Committee recently approved a policy on the use of the ACS **Yellow Book**:

“The Yellow Book is a directory of volunteer leaders holding official positions in the Society, and as such it contains confidential and personally identifiable information. It is designed to facilitate limited communications among individual volunteers, and is not intended to serve as a means for individuals to communicate with large numbers of ACS volunteers, such as all Local Section or Division Officers or all Councilors as a group. The Office of the Secretary upholds this policy by ensuring that ACS volunteer leaders only receive mass mailings relating to official ACS business or of major import to the Society, and only from official ACS units that are the most appropriate entities to communicate on a particular subject. Individuals or units seeking to send information or requests to large groups of volunteer leaders should contact the Office of the Secretary (secretary@acs.org) to discuss the appropriate communication venues.”

2019 Standing and Other Committee Chairs Announced

Acting on the recommendation of the Committee on Committees (ConC), ACS President-Elect Bonnie Charpentier has appointed or reappointed chairs for the Council Standing and Other Committees, effective **January 1, 2019**. Remaining chairs will be appointed in December.

2019 Council Standing Committee Chairs (Appointments and Reappointments)

Constitution and Bylaws (reappointment)

V. Dean Adams

Divisional Activities (appointment)

John M. Takacs

Economic and Professional Affairs (appointment)

TBA

Local Section Activities (reappointment)

Jason E. Ritchie

Meetings and Expositions (reappointment)

Kevin J. Edgar

Membership Affairs (appointment)

Brian M. Mathes

2019 "Other" Committee Chairs (Appointments and Reappointments)

Analytical Reagents (reappointment)

Tom Tyner

Ethics (reappointment)

Judith Currano

Nomenclature, Terminology and Symbols (appointment)

TBA

Project SEED (reappointment)

Don L. Warner

Technician Affairs (appointment)

Jennifer L. McCulley



TOWN HALL MEETING

CANDIDATES for
DIRECTOR-AT-LARGE, 2019-2021



FRANK D. BLUM



LEE H. LATIMER



INGRID MONTES



ANGELA W. PETERS

Sunday, August 19, 2018

4:30 - 5:30 PM

Constitution A/B

Sheraton Boston Hotel

Questions may be submitted in advance to nomelect@acs.org

Sponsored by the
COMMITTEE ON NOMINATIONS AND ELECTIONS



MEET THE CANDIDATES
for
ACS PRESIDENT-ELECT 2019



LUIS A. ECHEGOYEN



THOMAS R. GILBERT

Monday, August 20, 2018

1:00 - 4:00 PM

Located near the ACS Booth

ACS EXPOSITION

Boston Convention & Exhibition Center

Exhibit Hall A

Sponsored by the
COMMITTEE ON NOMINATIONS AND ELECTIONS



ACS Fellows Program

Congratulations Councilors and Committee Members!

The following Councilors and Committee Members (with their local section, division, and committees indicated), were elected to the 2018 class of ACS Fellows. They are being recognized for their outstanding achievements in and contributions to science, the profession, and the Society. A complete list of 2018 ACS Fellows and more information about the ACS Fellows Program can be found at www.acs.org/fellows.

Councilors

William F. Carroll, Jr.	Ex-officio (Audits, GCI Board, Budget & Finance. Pensions & Investments)
Carmen V. Gauthier	Florida (Education)
Lynn G. Hartshorn	Minnesota (Senior Chemists)
Barbara R. Hillery	New York (Local Section Activities)
Elizabeth M. Howson	North Jersey (Local Section Activities)
Melissa A. Pasquinelli	North Carolina (Environmental Improvement)
Martin D. Rudd	Northeast Wisconsin (Council Policy)
Louise M. Lawter	Princeton (Local Section Activities)
John M. Long	Rubber Division (Constitution & By-laws, Divisional Activities)
Joseph E. Sabol	Small Chemical Businesses (Chemistry and Public Affairs)

Committee Members

Pat N. Confalone	Budget & Finance, Pensions & Investments
Doris L. Zimmerman	Constitution & Bylaws
Susan B. Butts	Chemistry and Public Affairs, Corporation Associates
Brian R. Gibney	Science
Kerry K. Karukstis	Professional Training
Jaqueline Loetsch Kiplinger	Ethics
Roger A. Parker	Senior Chemists
Kara M. Allen	Technician Affairs
Malika Jeffries-EI	Women Chemists

ACS Fall 2018 National Election



Paper Ballot Opt-in is Coming!

Balloting for President-Elect 2019, two Directors-at-Large, and Directors for Districts I and V opens October 1, 2018.

Balloting will be conducted online, with the option to receive a paper ballot upon request.

Starting SEPTEMBER 4, all ACS members eligible to vote will receive information from **Survey and Ballot Systems** (Direct Vote Plus™) on how to request a paper ballot.

For more information visit
www.acs.org/elections
 or send an email to
nomelect@acs.org.

PRESIDENTIAL SYMPOSIA AND EVENTS

Sponsored and Recommended by the ACS President

256th ACS National Meeting • Boston, MA • August 19-23, 2018



Photo: Peter Curtis Photography

Peter K. Dorhout, Ph.D.
ACS President

SATURDAY, AUGUST 18, 2018

11:00 am - 2:00 pm

Presidential Outreach Event: ACS Kids Zone – Exploring Our World Through Chemistry [Cosponsored by CCA]
(Boston Children's Museum - 308 Congress Street, Boston, MA)

SUNDAY, AUGUST 19, 2018

8:30 am - 3:30 pm

Moving the Safety Values of the ACS Forward [Cosponsored by AGFD, ANYL, BIOL, BMGT, CA, CARB, CHAS, CCS, CINF, CPT, COLL, ENFL, ENVR, I&EC, ORGN, PROF, SCHB, WCC & YCC]
Boston Convention & Exhibition Center - Room 103 (Meeting Level 1)

OTHER SYMPOSIA RECOMMENDED BY THE ACS PRESIDENT

SUNDAY, AUGUST 19, 2018

1:00 pm - 3:35 pm

Chemistry as a Second Language: Strategies for Global Scientific Communication [Sponsored by YCC and Cosponsored by PRES and IAC]
Westin Boston Waterfront - Marina Ballroom II (Lobby Level)

1:30 pm - 3:15 pm

Importance of LGBTQ+ Role Models & Mentors in Chemical Sciences: A Symposium in Honor of Barbara Belmont [Sponsored by PROF and Cosponsored by PRES, CMA & WCC]
Aloft Boston Seaport - Mann 1/2 (First Floor)

MONDAY, AUGUST 20, 2018

9:00 am - 12:05 pm

Artificial Intelligence and Its Impact on the Chemical Enterprise [Sponsored by YCC and Cosponsored by PRES]
Westin Boston Waterfront - Marina Ballroom II (Lobby Level)

MONDAY, AUGUST 20, 2018

8:00 am - 4:35 pm

Ion Transport at the Nanoscale: Research and Capabilities at the DOE's Nano Centers [Cosponsored by ANYL, CHAS, COLL, COMSCI, ENFL, ENVR, GEOC & SCHB]
Boston Convention & Exhibition Center - Room 103 (Meeting Level 1)

8:30 am - 11:30 am

Growing with Project SEED: 50 Years and 10,000+ Students [Cosponsored by SEED, AGFD, AGRO, ANYL, BIOL, BMGT, CARB, CHAS, CINF, COLL, ENFL, ENVR, HIST, I&EC, ORGN, PROF, SCHB, SOCED, WCC & YCC]
Sheraton Boston Hotel - Back Bay D (2nd Floor)

8:30 am - 5:00 pm

Synthetic Biology: The State of the Science [Sponsored by ENVR and Cosponsored by PRES]
Boston Convention & Exhibition Center - Room 257 B (Meeting Level 2)

7:00 pm - 8:30 pm

Graduate and Postdoctoral Scholars Lecture & Reception – Featuring Cartoonist Jorge Cham
Boston Convention & Exhibition Center - Ballroom West (Ballroom Level 3)

TUESDAY, AUGUST 21, 2018

8:30 a.m. - 6:00 p.m.

Advances in Human Space Exploration: Second ACS NASA Symposium [Sponsored by POLY and Cosponsored by PRES]
Westin Boston Waterfront - Grand Ballroom D (Concourse Level); Grand Ballroom A (4:00 pm - 6:00 pm)

1:30 pm - 4:30 pm

Celebrating the Success of an Exchange Program for German & American Chemistry Students [Sponsored by CHED and Cosponsored by PRES, IAC, YCC, ACS Northeastern Local Section, and the German Chemical Society]
Seaport Hotel & World Trade Center - Waterfront Ballroom 1A/1B (Ground Floor - Harbor Level)

1:30 pm - 4:45 pm

The Role of the Chemical Sciences in Brain Research and the BRAIN Initiative [Sponsored by MPPG and the Kavli Foundation, and Cosponsored by PRES]
Boston Convention & Exhibition Center - Room 103 (Meeting Level 1)

5:30 pm - 7:30 pm

LGBTQ+ Presidential Reception
Sheraton Boston Hotel - Back Bay B (2nd Floor)

JOIN THE ACS BOARD OF DIRECTORS REGULAR SESSION

Sunday, August 19, 2018 • Noon - 1:00 p.m.

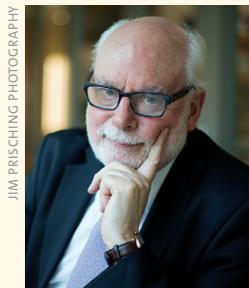
Boston Convention & Exhibition Center
Ballroom West (Ballroom Level 3)
Doors open at 11:45 a.m.

Sandwiches and soft drinks available while supplies last

FEATURING GUEST SPEAKER:

SIR FRASER STODDART, NORTHWESTERN UNIVERSITY

“Transformative Research: Doing Your Own Thing”



JIM PRISCHING PHOTOGRAPHY

Nobel Laureate Sir Fraser Stoddart, D.Sc. is a Board of Trustees Professor of Chemistry and Director of the Center for the Chemistry of Integrated Systems at Northwestern University. Before moving to Northwestern in 2008, Professor Stoddart was formerly the Director of the California NanoSystems Institute and the Fred Kavli Chair of NanoSystems Sciences at the University of California, Los Angeles.

Throughout his distinguished career, Professor Stoddart has received numerous prestigious awards and honors for his discoveries and innovations. In 2016, he was awarded the Nobel Prize in Chemistry along with Ben Feringa (University of Groningen, the Netherlands) and Jean-Pierre Sauvage (University of Strasbourg, France) for the design and synthesis of molecular machines.

Professor Stoddart is a pioneer in the fields of supramolecular chemistry and molecular nanotechnology, and his work has helped open up a new field of chemistry. His research interests are in chemistry beyond the molecule, which, combined with his interest in templation, has led to the template-directed synthesis, based on molecular recognition and self-assembly processes, of a wide range of mechanically interlocked molecules, bistable variants of which have found their way in the form of switches into molecular electronic devices and drug delivery systems.

The Sunday Times in the U.K. once noted that Stoddart “is to nanotechnology what J.K. Rowling is to children’s literature.” Professor Stoddart is a native of Scotland, and he received his B.Sc., Ph.D., and D.Sc. degrees from Edinburgh University.

Nobel Laureate Sir Fraser Stoddart is serving as Champion for the 50 Forward fundraising campaign in celebration of ACS Project SEED’s 50th Anniversary. He is active in reaching out to new scientists as well as others both inside and outside the scientific community via @sirfrasersays on Twitter.

2018 ACS National Election Candidates

President-Elect, 2019



Luis A. Echegoyen
University of Texas
El Paso, TX



Thomas R. Gilbert
Northeastern University
Boston, MA

Directors-at-Large, 2019-2021

(Two to be elected)



Frank D. Blum
Oklahoma State University
Stillwater, OK



Lee H. Latimer
LHLatimer Consulting
Oakland, CA



Ingrid Montes
University of Puerto Rico
San Juan, PR



Angela W. Peters
Clafin University
Orangeburg, SC

Director, District I, 2019-2021



Katherine L. Lee
Pfizer, Inc.
Cambridge, MA

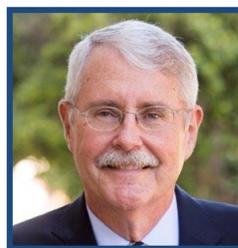


Laura E. Pence
University of Hartford
West Hartford, CT

Director, District V, 2019-2021



John E. Adams
University of Missouri
Columbia, MO



Joseph A. Heppert
Texas Tech University
Lubbock, TX



Personal Career Consulting Program

The [ACS Career Consultant program](#) offers personalized consulting to help members succeed, wherever they may be in their career. A team of volunteer ACS members and experts in their field are on standby both virtually as well as in person at ACS and local section events to assist via email, phone and face to face. Consultants give feedback on but not limited to: resume preparation, job search strategies, interviewing techniques, career transitions, salary negotiation and more. ACS Career Consultants are most available during National Meeting Career Fairs, but are also available [via email](#) for 30 minute sessions. The service is a member-only benefit and is free of charge. This program allows working chemists to share their experience with others thus preparing them for whatever may come in the chemical enterprise. The overall goal of the program is to provide information in a timely and efficient manner to chemical professionals, matching them with consultants in their geographical area when possible.

This year, ACS headquarters has rolled out a local career fair pilot program for potential permanent expansion of career services overall including career consulting. ACS Career Services is seeking to increase the amount of career consultants available across the nation as well as internationally to serve our over 150,000 members. The current roster of career consultants is 60, which limits the amount of interactions possible to serve our members. National Meeting is the perfect time to recruit new consultants, as it gives the opportunity to interact with members face to face and have interested parties observe consultants at the National Meeting Career Fair.

In order to be considered as a potential consultant, applicants must be a current ACS member, have an accredited degree in chemistry or human resources or equivalent experience, have experience with job searching, impeccable communication and follow up skills, proficient in online communications including email, and two (2) years of work experience post-graduation. Applications can be submitted year-round via the [ACS website](#). In addition to the completed application, ACS Careers also requires two letters of recommendation to serve as character references from colleagues or acquaintances and a resume or CV.

Target Audience – The target audience for this notice is ACS members in governance and otherwise that meet the above criteria both domestic and internationally based.

Project Timeline – ACS Careers hopes to welcome 50 new consultants by the end of 2018.

For Additional Information:

Kimberly Browne
Project Manager | Member Communities
Membership & Society Services
American Chemical Society
Phone: +1-202-912-3416
K_browne@acs.org

ACS Council and its role in shaping the society

MARY K. CARROLL, VICE CHAIR, ACS COUNCIL POLICY COMMITTEE

You have heard the American Chemical Society described as the “world’s largest scientific society.” The size of our society (more than 150,000 members) allows it to provide members with an extensive portfolio of programs and resources, which enable members to advance chemistry, elevate their career potential, expand their networks, educate and inspire future generations, collaborate globally, and build communities that provide scientific solutions. A society of this scope requires a robust national governance structure. ACS has a board of directors, a council, and quite a number of committees.

This structure affords volunteer leadership opportunities and countless other ways for members to provide input into governance and help guide the direction of the society. In a June 4 Comment in C&EN, ACS Board Chair John Adams described how the board functions. And in a June 18 Comment, Carolyn Ribes, chair of the Committee on Committees, discussed ways to get involved in national committees. Here, I focus on the ACS Council: how it is currently constructed, how it operates, and how you can help it improve.

Early in its history, ACS developed a grassroots, representative system of national governance. The council’s role is to serve as the popular, deliberative assembly of ACS and to advise on matters pertaining to the general management of the society. It is meant to represent the membership as a whole and to receive and deliver information via two-way communications with the board and the committees.

In its current form, the council consists of nearly 500 councilors, most of whom are elected to represent local sections or divisions. Board members and ACS past-presidents are ex officio members. Councilors from 185 local sections and 32

divisions represent ACS members on the basis of geography (where they live, work, or study) or subject matter (specialization or interests). Divisions also provide a means for international members to have representation in ACS governance. Each local section has one or more councilors, based on its total membership, and divisions have one to four councilors, depending on size and a proportional formula prescribed in the ACS bylaws. Many councilors serve on national committees as well as the executive committees of their local sections or divisions.



The council meets in person, twice yearly, on the Wednesday morning of each ACS national meeting. The Council Policy Committee (CPC), the executive committee of the council, sets the agenda for this meeting. At the council meeting, councilors hear reports from the officers of ACS and from leaders of council-related committees, participate in elections, and discuss and vote on proposals for action brought forward by committees or groups of councilors. In addition, the council sometimes engages in discussion on a special topic. Although participation is limited to councilors, anyone present at the national meeting is welcome to observe the council meeting. If you’re going to be in Boston this August, consider adding this to your calendar.

Why should you, an individual member, care about ACS governance? You may be content with receiving the quality programs, products, and services that ACS provides. But you undoubtedly have thoughts about the profession we are engaged in and perhaps see opportunities for ACS to play a role in making it stronger and more valuable and valued. As we approach the sesquicentennial of the founding of ACS (2026), it is appropriate to consider improvements to the current gover-

nance structure, including the council, to best position the society for the future.

ACS strives to take full advantage of the considerable expertise of its member volunteers, provide mechanisms for meaningful volunteer experiences, and connect individual members to all levels of governance. Our governing structure should be (but is not always) characterized by efficient communication, which is essential for impactful decision-making. As part of a concerted effort in governance redesign, CPC’s Future Council Representation Working Group is considering how the council could be restructured to facilitate discussion and productive interactions with the board and committees while increasing communication with members at the grassroots level, including the possibility of greater representation for ACS members who live and work outside the U.S.

I encourage you to reach out to your councilor or councilors to express your views on this or any other subject relevant to the chemistry enterprise and the ACS vision of “improving people’s lives through the transforming power of chemistry.” Your councilors will be pleased to bring your input, ideas, and suggestions to the governance system.

You may want to go beyond simply expressing your views and become more actively involved in governance. If so, talk with your local section or division officers about running for councilor or taking on another leadership position. ACS and the profession benefit when individuals with diverse backgrounds, experiences, and perspectives contribute to leadership.

Finally, keep in mind that all ACS members have the ability to influence governance through the electoral process. Please take the time to vote in your local section and division elections and in the national ACS elections for president and the board of directors.

CPC welcomes your feedback and suggestions at cpc@acs.org.

Views expressed are those of the author and not necessarily those of C&EN or ACS.

2018

NANOSCIENCE, NANOTECHNOLOGY & BEYOND

AMERICAN CHEMICAL SOCIETY
National Meeting & Exposition

Aug. 19-23

Boston | MA

OPENING SESSION



MODERATED BY PAUL WEISS
Boston 2018 Thematic Organizer

Sunday, August 19, 2018 | 4:00 PM
Boston Convention & Exhibition Center — Ballroom West
*21st Century Medicine Will Transform Healthcare:
Opportunities for Nanoscience and Chemistry*
LEROY HOOD — Institute for Systems Biology



WELCOME RECEPTION IN THE EXPO & CAREER FAIR

Sunday, August 19, 2018 | 5:30 - 7:30 PM
Boston Convention & Exhibition Center — Hall A

MPPG SPONSORED THEMATIC PROGRAMMING

Synthesis & Characterization of Nanomaterials for Sustainable Energy*

Sunday, August 19, and Monday, August 20

Organizers: Hongjin Fan, Mato Knez

Presider: Stanislaus Wong

Nanostructured Materials for Energy Harvesting & Storage

Sunday, August 19

Organizers: Jinsong Huang, Marina Leite, Matthew McDowell

Nano in Tissue Engineering

Tuesday, August 21

Organizers: Alireza Khademhosseini, Molly Stevens

The Role of the Chemical Sciences in Brain Research & the BRAIN Initiative**

Tuesday, August 21

Organizer: Jonathan Sweedler

Nanophotonics

Tuesday, August 21, and Wednesday, August 22

Organizers: Jason Hafner, Naomi Halas, Peter Nordlander

New Advances in 3D Nanoprinting

Thursday, August 23

Organizers: Alireza Khademhosseini, Gang-Yu Liu

*Co-sponsored by the Division of Inorganic Chemistry (INOR) | ** Sponsored by the Kavli Foundation



National Nanotechnology Initiative Town Hall



What We Know, Where We're Going, and How You Can Engage



Sunday, August 19 | 2:30 PM – 3:30 PM

Boston Convention & Exposition Center – Ballroom West

Join Drs. Paul Weiss, national meeting organizer and Editor-in-Chief of ACS Nano, and Lisa Friedersdorf, Director of the National Nanoscience Coordination Office (NNCO) for the National Nanotechnology Initiative (NNI) Town Hall. Dr. Friedersdorf will outline the NNCO's priorities in the coming year. Focus areas include entrepreneurship, advances in water treatment, sensors, and manufacturing, communicating the state of nanoEHS knowledge, and lab safety. The presentation will be followed by a discussion in which attendees can share their perspectives on these topics and future directions.

The National Nanotechnology Initiative (NNI) is a cooperative interagency framework for carrying out Federal nanotechnology-related activities. The NNI fosters U.S. leadership and innovation in nanotechnology development and commercialization, leveraging the resources of all participating agencies to advance shared goals, priorities, and strategies.





NANOSCIENCE, NANOTECHNOLOGY & BEYOND

KAVLI LECTURE SERIES

MODERATED BY DR. PETER K. DORHOUT, ACS PRESIDENT

Sponsored by The Kavli Foundation

KAVLI EMERGING LEADER IN CHEMISTRY LECTURE



Jill Millstone — University of Pittsburgh

Metal-Ligand Chemistry in Nanoparticle Synthesis and Performance

Monday, August 20 | 4:00 PM

Boston Convention & Exhibition Center — Ballroom West

KAVLI INNOVATIONS IN CHEMISTRY LECTURE



Harry Atwater — California Institute of Technology

Light as Fuel

Monday, August 20 | 5:15 PM

Boston Convention & Exhibition Center — Ballroom West

BRAIN INITIATIVE SYMPOSIA

NANOSCIENCE & NANOTECHNOLOGY IN NEUROSCIENCE & THE BRAIN INITIATIVE

Tuesday, August 21 | 9:00 AM

Organizer & Presider: Anne Andrews

THE ROLE OF THE CHEMICAL SCIENCES IN BRAIN RESEARCH & THE BRAIN INITIATIVE

Tuesday, August 21 | 1:30 PM

Organizer: Jonathan Sweedler

The Kavli Foundation Lecture Series promotes groundbreaking discovery and public understanding of the world's mounting challenges and how chemistry can provide solutions. The American Chemical Society gratefully acknowledges The Kavli Foundation's generous support for The Fred Kavli Innovations in Chemistry Lecture and The Kavli Foundation Emerging Leader in Chemistry Lecture.

Supported by The Kavli Foundation

NETWORKING

WITH CHEMISTRY PROFESSIONALS

sponsored by American Chemical Society
Senior Chemists & Younger Chemists Committees



Make a donut sundae & share your expertise with undergraduates and other younger chemists!

If you would like to participate, please send an email to seniorchemists@acs.org.

Monday, August 20
Boston Convention Center
Exhibit Hall B1
2:00 - 4:00 p.m.



ACS
Chemistry for Life®

PRESIDENTIAL SYMPOSIUM AND EVENTS

ACS 256th National Meeting

Monday, August 20, 2018

Presidential Symposium

Growing with Project SEED:

50 years and 10,000+ Students

Sheraton Boston Hotel, Back Bay D

8:30 – 11:30 AM

Reception

Project SEED 50th Anniversary

Celebration

Sheraton Boston Hotel, Republic B

2:00 – 4:00 PM

Sci-Mix

Project SEED Student Research Posters

Boston Convention & Exhibition Center

Exhibit Hall B2 & C

8:00 – 10:00 PM



We thank ACS Publications Division and the Chemical Abstracts Service for their financial support. Cosponsored by: AGFD, AGRO, ANYL, BIOL, BMGT, CA, CARB, CCS, CHED, CINF, CMA, COLL, CPT, CTA, CWD, ENFL, ENVR, HIST, I&EC, IAC, LSAC, ORGN, PROF, SCHB, SEED, SOCED, WCC, YCC

STRATEGY CAFÉ

FOR ACS COUNCILORS

Connect with other leaders and share thoughts on
CHANGE DRIVERS
that impact the strategic direction of the Society!



Tuesday, August 21
Sheraton Boston Hotel,
Back Bay A
5:00 - 6:00 pm

RSVP by August 15
to secretary@acs.org

Hosted by the ACS Council Policy Committee



STRATEGIC PLAN

for 2018 and Beyond

Vision

Improving people's lives through the transforming power of chemistry

Mission

Advancing the broader chemistry enterprise and its practitioners for the benefit of Earth and its people

Core Values

- Passion for Chemistry and the Global Chemistry Enterprise
- Focus on Members
- Professionalism, Safety, and Ethics
- Diversity and Inclusion

Goals



Fast Facts

GOAL 1

Provide Information Solutions

GOAL 2

Empower Members and Member Communities

GOAL 3

Support Excellence in Education

GOAL 4

Communicate Chemistry's Value



More than 150,000 members worldwide



32 Technical Divisions



185 Local Sections



24,000+ International members in more than 130 countries



More than 130 million chemical substances in the CAS REGISTRY



More than 50+ peer-reviewed journals



2800+ students from underrepresented backgrounds who participated in ACS Scholars since 1995



600+ High School Chemistry Clubs

Learn more at strategy.acs.org

