

CHEMISTRY & WATER

AMERICAN CHEMICAL SOCIETY
FALL 2019 NATIONAL MEETING & EXPO

ACS NATIONAL MEETING

General meeting information

No city is better suited than San Diego to host the American Chemical Society Fall 2019 National Meeting & Exposition, aptly themed “Chemistry & Water.” Our

primary venue, the San Diego Convention Center, sits along the majestic San Diego Bay in the city’s scenic Gaslamp Quarter.

National meetings have proved to be an important learning platform for

established leaders in chemistry, young chemists growing their portfolios, and students learning about the multifaceted world of chemistry. The meetings afford attendees from academia and industry

Technical programming by the numbers

- ▶ 29 technical divisions and 7 committees hosting original programming
- ▶ 9,594 accepted papers, including 6,997 oral discussions and 2,597 poster presentations
- ▶ 1,088 half-day sessions, composed of 932 oral sessions and 156 poster sessions, which include Sci-Mix
- ▶ 127 concurrent technical sessions, the most in one day, on Monday afternoon

numerous formal and informal opportunities to share viewpoints on the ever-growing impact of chemistry on everyday life. The diverse attendee list for the fall 2019 meeting will include participants from across the US and the globe.

Register now at www.acs.org/Fall2019SanDiego to be in San Diego Aug. 25–29 to take part in stimulating symposia and poster sessions that showcase new thought trends in chemistry, interact with exhibitors of groundbreaking technologies in chemistry, complete coursework that can lead to career advancement, and meet with job recruiters who may offer employment opportunities on the spot.

Registration

All attendees, including speakers and poster presenters, must register for the national meeting to participate in ACS-approved sessions and events. Sponsored speakers should contact their symposium organizers or division program chairs to clarify the terms of their invitations and to determine who will complete the meeting registration. Presenters who fail to register for the meeting will have their abstracts withdrawn from the official meeting pro-

Registration assistance

Representatives of the ACS National Meeting Registration Center are available Monday–Friday, 9:00 a.m.–5:00 p.m. (ET) to assist you with your registration. Please call 800-251-8629 (US/Canada) or 508-743-0192 (international).

Important registration information for international attendees

International attendees must have a valid visa to enter the US. Detailed information on the process to obtain a visa is available at www.acs.org/SanDiegoRegister.

If you have specific questions about your visa application, please email nationalmeetings@acs.org, or contact Brenda Philpot at 202-872-6111.

All international attendees, including those from Canada and Mexico, must pick up their registration materials on-site.

Online planner and mobile app

So many choices, so little time. The number of oral sessions, poster presentations, and specialty events for you to select from is astounding. The online planner includes the most current technical programming information and is available now. Be sure to consult it as you map out your schedule. Visit www.acs.org/Fall2019SanDiego to access the online planner.

If you have not downloaded the ACS Meetings & Events App to your smartphone or tablet, you should do so now. The mobile app is the primary resource for up-to-date meeting information. The San Diego event will be available on Aug. 5, and attendees will be able to access meeting information at that time. Attendees can use their ACS ID to sync between the online planner and mobile app.

As a reminder, in support of the society's sustainability efforts, ACS no longer prints a program book.

gram, technical programming archive, and CAS database.

Your meeting registration will give you entry to a range of programming activities:

- ▶ Expo Hall featuring Career Navigator LIVE!
- ▶ Technical symposia
- ▶ Scientific poster sessions
- ▶ Special lectures, workshops, and events

ACS members save

Become a member of ACS when you register and you can save up to \$400. You can also book your housing at the same time that you register for the meeting.

Program highlights

- Saturday, Aug. 24**
- ▶ Noon–3:00 p.m.: ACS Kids Zone—a Presidential Outreach Event
- Sunday, Aug. 25**
- ▶ Noon–1:00 p.m.: ACS Board of Directors meeting
 - ▶ 3:00–5:30 p.m.: Opening session
 - ▶ 5:30–7:30 p.m.: Welcome reception in the Expo Hall
 - ▶ 6:30–10:00 p.m.: Heroes of Chemistry Awards Reception and Ceremony

- Monday, Aug. 26**
- ▶ 1:00–4:00 p.m.: Presidential Meet the Candidates Forum
 - ▶ 2:00–4:00 p.m.: ACS Fellows Ceremony and Reception
 - ▶ 4:00–6:00 p.m.: Kavli Foundation Lecture Series
 - ▶ 8:00–10:00 p.m.: Sci-Mix interdivisional poster session

- Tuesday, Aug. 27**
- ▶ 8:00–11:00 p.m.: ChemLuminary poster session with reception, ceremony, and after party

- Wednesday, Aug. 28**
- ▶ 8:00 a.m.: ACS Council meeting

Activities in the Expo Hall featuring Career Navigator LIVE!

Attendees are encouraged to prioritize a visit to the Expo Hall. It will be the “go to” place during the meeting.

Interact with exhibitors

- ▶ Participate in exhibitor workshops.
- ▶ Join in thought-provoking conversations with industry leaders.

Career advancement opportunities

- ▶ Complete one or more of the 30-plus Career Pathways workshops.
- ▶ Meet with an experienced ACS career consultant who will review your résumé

REGISTRATION CATEGORY	STANDARD/ON-SITE
MEMBERS	
ACS member or society affiliate	\$590
Emeritus or retired	295
50-year member	0
Unemployed member	0
Precollege teacher	125
Graduate student	245
Undergraduate student	125
NONMEMBERS	
Chemical scientist	\$1,030
Precollege teacher	125
Graduate student	490
Undergraduate student	245
ONE-DAY REGISTRATION	
Member	\$295
Nonmember	590
Exposition and Career Navigator LIVE! only (3 days)	10
Guest of registrant	50

BOOK HOUSING

AMERICAN CHEMICAL SOCIETY FALL 2019 NATIONAL MEETING & EXPO

CHEMISTRY & WATER | AUGUST 25-29, 2019 | SAN DIEGO, CA | #ACSSanDiego

BOOK NOW

- Housing block closes **July 30, 2019**
- For best rates and availability, make your reservations through ACS at www.acs.org/Fall2019SanDiego
- Phone (toll-free U.S.): **1-844-293-7040**
International: **+1 704-837-4855**
Monday – Friday: 8:30 AM – 9:00 PM EST

5 REASONS TO BOOK THROUGH ACS



FREE INTERNET

Complimentary internet access in the sleeping rooms.



DISCOUNTED RATES!

Lower rates exclusively for meeting participants.



EASY ACCESS

All meeting events will be held at the convention center and ACS designated hotels.



FREE SHUTTLE

Between the convention center and ACS hotels.



LOCATION

Close to the convention center.

HOTELS

- Embassy Suites San Diego Bay-Downtown
- Hard Rock Hotel San Diego
- **Hilton San Diego Bayfront (Headquarters Hotel)**
- Hilton San Diego Gaslamp Quarter Hotel
- Hotel Republic San Diego, Autograph Collection
- InterContinental San Diego
- Kimpton Solamar Hotel
- Manchester Grand Hyatt San Diego
- Marriott Marquis San Diego Marina
- Omni San Diego
- Porto Vista Hotel (Economic Hotel)
- Residence Inn San Diego Downtown/Bayfront
- Residence Inn San Diego Gaslamp Quarter
- SpringHill Suites San Diego Downtown/Bayfront
- THE US GRANT, a Luxury Collection Hotel
- Westin San Diego
- The Westin San Diego Gaslamp Quarter



ACS
Chemistry for Life®

MEETINGS & EVENTS

ConferenceDirect is the **ONLY** housing services provider for the ACS Fall 2019 National Meeting & Expo. **Please look for this official housing seal when booking accommodations.**



ACS
Chemistry for Life®

and share important job-seeking advice.

- ▶ Interview with a job recruiter.

Network and connect

- ▶ Recharge your electronic devices as you network with colleagues and connect with friends in the Recharge & Social Media Lounge.
- ▶ Visit the Industry Network Lounge, new in 2019 and exclusively for industry members.

The venue

The San Diego Convention Center (SDCC) is the primary venue for the ACS Fall 2019 National Meeting. Most of the technical sessions will be held in the SDCC, with a few taking place in four nearby hotels—the Manchester Grand Hyatt San Diego, Marriott Marquis San Diego Marina, Omni San Diego Hotel, and Hilton San Diego Bayfront. The Hilton San Diego Bayfront will also serve as the meeting headquarters and the site for most governance meetings.

Located at 111 West Harbor Drive, the SDCC is just 10 minutes from the San Diego International Airport and less than 1 mi (1.6 km) from an Amtrak station. The San Diego Trolley has two stops directly in front of the convention center at Harbor Drive and First Avenue, and Harbor Drive and Fifth Avenue.

Hotel and travel

Hotel

ACS has negotiated special rates with a wide selection of hotels located close to the SDCC. All the official ACS hotels are less than 1 mi (1.6 km) from the SDCC, and meeting attendees booking through ACS receive free in-room Wi-Fi at all official hotels. Book online at www.acs.org/Fall2019SanDiego.

ConferenceDirect is the official housing bureau, and ACS does not endorse booking hotel reservations through any other source.

Direct all questions about room reservations and payments to ConferenceDirect at 844-293-7040 (US/Canada) or 704-837-4855 (international), Monday–Friday, 9:00 a.m.–5:00 p.m. (ET).

You can also email your questions to acshousing@conferencedirect.com.

Travel

The companies listed below have entered into partnership with ACS for transportation services, with special travel discounts for meeting attendees.

To get the best rates and to avoid service fees, we recommend making your travel reservations online. ACS will share updates to this information as it becomes available.

Air

Delta
www.delta.com/flight-search/book-a-flight
800-328-1111
Discount code: NY2LW

United Airlines

www.united.com
800-426-1122
Discount code: ZFJX328612

Car rental

Hertz
www.hertz.com
800-654-3131
Discount code: CV# 02UZ0020

Traveling to meeting venues

ACS shuttle bus: Most of the official hotels are in walking distance to the SDCC. ACS will provide complimentary shuttle bus service between the convention center and official hotels that are not within walking distance.

Parking

The SDCC has an underground garage that accommodates 1,950 vehicles. Rates range from \$15–\$35 on days when there is special event activity at Petco Park or other downtown events. The garage has 31 Americans with Disabilities Act–compliant parking stalls with elevator access to the center. Payment is due upon entry and there are no in-and-out privileges.

Directly across the street from the center is a 2,000-space parking structure. There is additional off-site parking available at numerous nearby parking lots and garages that are within walking distance of the center. Prices vary by location.

Metered street parking is available in some areas. The city enforces parking meters Monday–Saturday, 8:00 a.m.–6:00 p.m., unless otherwise posted. Metered spots are free on Sunday and designated holidays. Meters accept nickels, dimes, quarters, and prepaid electronic debit cards.

As you make your plans

Attendees

ADA: If you require special assistance

during the meeting sessions, please indicate this in your registration. For further assistance or questions, please contact Brenda Philpot at b_philpot@acs.org.

Badge replacement: First replacement: free; second replacement: \$25 (cash/credit card); third replacement: \$50; fourth replacement and beyond: \$100 per occurrence

Cancellations and refunds: ACS provides a refund, minus a \$50 administrative fee, for all cancellation requests received by July 24, 2019. Registrants must return a copy of the registration confirmation along with the original registration credentials before the refund can be processed. ACS issues refunds in the same payment method used to register. ACS will not honor any cancellation or refund requests received after July 24, 2019.

Career opportunities: Upload your résumé to the ACS Career Navigator LIVE! database to apply for open positions and meet with recruiters.

Childcare: Camp ACS will operate 7:00 a.m.–6:00 p.m. from Sunday, Aug. 25, through Thursday, Aug. 29. This is a no-cost benefit and is open to children from 2 (potty trained) through 16 years of age. More information and the registration form are available at the camp website, www.accentregister.com/register/acscs19.

Exposition: Admission to the Expo Hall is complimentary with meeting registration. Expo-only passes may be purchased for \$10.

Ticketed special events: Visit www.acs.org/Fall2019SanDiego and click on Program to view ticketed networking and social events.

Wi-Fi: There is free Wi-Fi service in the public areas of the SDCC.

Exhibitors

ACS is the world's largest scientific society and a leading source and authority in scientific information. The society is at the forefront of the evolving global chemical enterprise. More than 15,700 chemists, chemical engineers, and other scientists attended the Spring 2019 National Meeting, and 14,463 attended the Fall 2018 National Meeting, with international attendees representing 21% of this group.

Benefits of exhibiting at the ACS national meeting and exposition

- ▶ Access to thousands of chemical professionals across a plethora of industries
- ▶ Entry to all ACS national meeting general sessions
- ▶ Complimentary Expo Hall badges for five staff members per 10 × 10 ft booth rented
- ▶ Free exhibitor-only webinars and articles
- ▶ Exhibitor lounge with complimentary beverage and snack service on show days
- ▶ Use of official ACS show brand to use in your marketing materials
- ▶ Exhibitor communication, the monthly ExhibiTimes, chock full of valuable exhibiting tips
- ▶ Company listing on the official ACS national meeting website with a link to your website
- ▶ Company listing and product/service description in the meeting mobile app
- ▶ Promotional, advertising, and sponsorship opportunities galore
- ▶ Standard booth setup, including 8 ft back drape and 3 ft side drape partition
- ▶ Complimentary standard 7 × 44 in booth sign listing company name and booth number

Why exhibit at the ACS national meeting?

- ▶ Increase sales by reaching over 10,000 scientists
- ▶ Announce new products at one of the largest scientific conferences in the world

- ▶ Get leads and gain exposure for your brand, products, and services
- ▶ Build relationships with attendees, speakers, industry leaders, and press
- ▶ Gain exposure to thousands in the ACS audience
- ▶ Explore your competition in a non-threatening environment and develop business contacts

Exhibitors are encouraged to complete the online contract as early as possible to secure booth space. To access the contract and view the Expo Hall floor plan, visit www.acs.org/Fall2019SanDiego. You can also contact the ACS exposition staff by email at expo@acs.org or by telephone at 800-227-5558, ext. 4486.

The Expo Hall will be located in the San Diego Convention Center.

Hours of operation

- ▶ Sunday, Aug. 25, 5:30–7:30 p.m.
- ▶ Monday, Aug. 26, 9:00 a.m.–5:00 p.m.
- ▶ Tuesday, Aug. 27, 9:00 a.m.–4:00 p.m.

Move in

- ▶ Friday, Aug. 23, noon–4:30 p.m.
- ▶ Saturday, Aug. 24, 8:00 a.m.–4:30 p.m.
- ▶ Sunday, Aug. 25, 8:00 a.m.–2:00 p.m.

Move out

- ▶ Tuesday, Aug. 27, 4:00–10:00 p.m.
- ▶ Wednesday, Aug. 28, 8:00 a.m.–2:00 p.m.

cussions and deliberations change. It is the responsibility of the committee chair and the staff liaison to ensure that only the appropriate people are present during a meeting.

▶ **Open meetings:** Any ACS member may attend an open meeting. At these meetings, members are encouraged to voice concerns, issue compliments, offer suggestions, and express interest in or raise questions about matters over which the committee has purview. The assumption is that participation is welcomed and will be orderly and courteous. Only committee members may vote.

▶ **Closed meetings:** The committee chair must declare any executive meeting closed when confidential or sensitive personnel, financial, or legal matters of the society are discussed. At that point, only officially appointed or elected committee members, associates, consultants, staff liaisons, and the appointed Committee on Committees (ConC) liaison shall remain in the meeting. Others may stay in the meeting at the discretion of the chair. Once these discussions have been completed, the committee should return to executive mode.

▶ **Executive meetings:** Attendance and participation is limited to officially appointed or elected committee members, associates, advisers, consultants, staff liaisons, and the appointed ConC liaison. Liaisons from other groups and both ex officio and elected councilors may attend; active participation by these groups is at the invitation of the chair. Only committee members may vote.

If you cannot attend the particular committee meeting of interest or for further information, contact the officers listed.

Budget and Finance

Joseph A. Heppert, chair;
b_feedback@acs.org

Open meeting

**Saturday, Aug. 24, 8:00–10:30 a.m.,
Hilton San Diego Bayfront**

▶ Chemical Safety

Ralph Stuart, chair; safety@acs.org

Open executive meeting

**Sunday, Aug. 25, 8:00–10:00 a.m.,
Marriott Marquis San Diego Marina**

Governance meetings

Board and council meetings

ACS Board of Directors. The ACS Board of Directors meeting, open to members who wish to participate, will be held at the San Diego Convention Center noon–1:00 p.m. on Sunday, Aug. 25. The board will discuss the ACS Leadership Development System.

ACS Council. The ACS Council meeting will begin at 8:00 a.m., Wednesday, Aug. 28, at the Hilton San Diego Bayfront. A continental breakfast for councilors will precede the meeting and begin at 7:00 a.m. Councilors are asked to check in beginning at 7:00 a.m. and proceed to the breakfast area, keeping in mind

that the meeting starts promptly at 8:00 a.m.

Space will be available for ACS members and nonmembers to observe the council in action. We hope that many will take advantage of this opportunity to learn firsthand about the society's operation. Alternate councilors and division and local section officers are particularly urged to attend.

Committee agenda

Committee meeting formats and structure

ACS governance committees generally operate in one of three formats as described below. These formats can change during the course of a meeting as dis-

► Chemistry and Public Affairs

Raymond E. Forslund, chair;
reforslund@me.com

Open meeting
Saturday, Aug. 24, 8:30 a.m.–4:30 p.m.,
Hilton San Diego Bayfront

► Chemists with Disabilities

James Schiller, chair; james.schiller@merck.com

Combined open and executive meeting
Sunday, Aug. 25, 8:30 a.m.–4:30 p.m.,
Hilton San Diego Bayfront

► Committees

Carolyn Ribes, chair; cribes@dow.com

Open meeting
Monday, Aug. 26, 1:30–2:00 p.m.,
Hilton San Diego Bayfront

Councilor Caucus Meetings

District I Councilor Caucus

Tuesday, Aug. 27, 5:30–7:00 p.m.,
Hilton San Diego Bayfront

District II Councilor Caucus

Sunday, Aug. 25, 6:00–7:00 p.m.,
Hilton San Diego Bayfront

District III Councilor Caucus

Sunday, Aug. 25, 6:00–7:00 p.m.,
Hilton San Diego Bayfront

District IV Councilor Caucus

Sunday, Aug. 25, 6:00–7:00 p.m.,
Hilton San Diego Bayfront

District V Councilor Caucus

Sunday, Aug. 25, 6:00–7:00 p.m.,
Hilton San Diego Bayfront

District VI Councilor Caucus

Sunday, Aug. 25, 6:00–7:00 p.m.,
Hilton San Diego Bayfront

Division Officers/Councilors Caucus

Tuesday, Aug. 27, 4:00–6:00 p.m.,
Hilton San Diego Bayfront

Council Policy Committee

The Council Policy Committee will open the floor during its meeting at 9:30 a.m. on Tuesday, Aug. 27, to councilors who would like to raise issues of concern that affect them or their local sections and/or divisions. For further information, contact Lisa Houston, vice chair of CPC, at cpc@acs.org.

► Community Activities

Holly L. Davis, chair; outreach@acs.org

Closed executive meeting
Sunday, Aug. 25, 6:30 a.m.–noon,
Hilton San Diego Bayfront
CCA/LSAC joint open meeting
Tuesday, Aug. 27, 2:00–3:30 p.m.,
Hilton San Diego Bayfront

► Constitution and Bylaws

V. Dean Adams, chair; bylaws@acs.org

Executive meeting
Sunday, Aug. 25, 10:00 a.m.–4:00 p.m.,
Hilton San Diego Bayfront
Combined open and executive meeting
Sunday, Aug. 25, 1:15–1:45 p.m.,
Hilton San Diego Bayfront

► Corporation Associates

Robert J. Wolcik, chair; rj@strem.com

Open meeting
Monday, Aug. 26, 8:00 a.m.–noon,
Hilton San Diego Bayfront

► Council Policy

Lisa Houston, vice chair; cpc@acs.org

Open executive meeting
Tuesday, Aug. 27, 9:30 a.m.–noon,
Hilton San Diego Bayfront

► Divisional Activities

James M. Takacs, chair; jtakacs1@unl.edu

Open executive meeting
Sunday, Aug. 25, 8:00 a.m.–noon,
Hilton San Diego Bayfront

► Economic and Professional Affairs

Frank Romano, chair; frank.romano@agilent.com

Executive meeting
Saturday, Aug. 24, 8:00 a.m.–5:30 p.m.,
Hilton San Diego Bayfront

► Education

Jennifer Nielson, chair;
jnielson@chem.byu.edu

Executive meeting
Friday, Aug. 23, 1:30–4:30 p.m.,
Hilton San Diego Bayfront
Open meeting
Monday, Aug. 26, 3:00–4:00 p.m.,
Hilton San Diego Bayfront

► Environmental Improvement

Christopher W. Avery, chair; cei@acs.org

Breakfast/open meeting
Monday, Aug. 26, 7:45–9:00 a.m.,
Hilton San Diego Bayfront

► Ethics

Judith Currano, chair; currano@pobox.upenn.edu

Open executive meeting
Sunday, Aug. 25, 9:00 a.m.–4:30 p.m.,
Hilton San Diego Bayfront

► International Activities

Jens Breffke, chair; intlacts@acs.org

Open meeting
Saturday, Aug. 24, 1:00–3:00 p.m.,
Hilton San Diego Bayfront

► Local Section Activities

Jason Ritchie, chair; jritchie@olemiss.edu

Open executive meeting
Sunday, Aug. 25, 8:00 a.m.–noon,
Hilton San Diego Bayfront
LSAC/CCA joint open meeting
Tuesday, Aug. 27, 2:00–3:30 p.m.,
Hilton San Diego Bayfront

► Meetings and Expositions

Kevin J. Edgar, chair; M&E@acs.org

Open meeting
**Sunday, Aug. 25, 7:30–10:00 a.m.,
 Omni San Diego**

Closed executive meeting
**Sunday, Aug. 25, 10:00 a.m.–noon,
 Omni San Diego**

► Membership Affairs

Brian Mathes, chair; mathes@lilly.com

Closed executive meeting
**Sunday, Aug. 25, 8:00 a.m.–3:00 p.m.,
 Hilton San Diego Bayfront**

Open executive meeting
**Sunday, Aug. 25, 3:00–4:00 p.m.,
 Hilton San Diego Bayfront**

► Minority Affairs

Ann Kimble-Hill, chair; ankimble@iu.edu

Closed executive meeting
**Sunday, Aug. 25, 8:00 a.m.–12:30 p.m.,
 Hilton San Diego Bayfront**

Open meeting
**Sunday, Aug. 25, 12:30–2:00 p.m.,
 Hilton San Diego Bayfront**

► Nomenclature, Terminology, and Symbols

Michelle M. Rogers, chair;
 michelle.m.rogers@gmail.com

Open executive meeting
**Monday, Aug. 26, 10:00 a.m.–5:00 p.m.,
 Hilton San Diego Bayfront**

► Nominations and Elections

Amber Hinkle, chair; nomelect@acs.org

Open executive meeting
**Monday, Aug. 26, 11:30 a.m.–noon,
 Hilton San Diego Bayfront**

► Patents and Related Matters

Kirby Drake, chair; kirby.drake@klemchuk.com

Open meeting
**Saturday, Aug. 24, 9:00 a.m.–4:00 p.m.,
 Hilton San Diego Bayfront**

► Professional Training

Edgar Arriaga, chair; cpt@acs.org

Open meeting
**Sunday, Aug. 25, 4:00–5:00 p.m.,
 Hilton San Diego Bayfront**

► Project SEED

Don Warner, chair; dwarder@boisestate.edu

Closed executive meeting
**Saturday, Aug. 24, 10:30 a.m.–5:00 p.m.,
 Hilton San Diego Bayfront**

Open meeting
**Sunday, Aug. 25, 9:00–10:00 a.m.,
 Hilton San Diego Bayfront**

► Public Relations and Communications

Amber Charlebois, chair; afcharleb@gmail.com

Open executive meeting
**Monday, Aug. 26, 8:00 a.m.–1:00 p.m.,
 Hilton San Diego Bayfront**

► Publications

Julia Laskin, chair; jlaskin@purdue.edu

Closed executive meeting
**Friday, Aug. 23, noon–5:00 p.m.,
 Hilton San Diego Bayfront**

► Science

Martin Kocielek, chair; mgk5@psu.edu

Executive meeting
**Saturday, Aug. 24, 8:00 a.m.–4:30 p.m.,
 Hilton San Diego Bayfront**

► Senior Chemists

Arlene A. Garrison, chair; seniorchemists@acs.org

Open meeting
**Monday, Aug. 26, 8:30 a.m.–1:30 p.m.,
 Hilton San Diego Bayfront**

► Technician Affairs

Jennifer McCulley, chair; jennifer_mcculley@agilent.com

Executive meeting
**Sunday, Aug. 25, 8:00 a.m.–2:30 p.m.,
 Hilton San Diego Bayfront**

► Women Chemists

Kimberly A. Woznick, chair; woznick@calu.edu

Closed executive meeting
**Saturday, Aug. 24, 7:30 a.m.–5:00 p.m.,
 Hilton San Diego Bayfront**

► Younger Chemists

Matt Grandbois, chair; grandboismatthew@gmail.com

Closed executive meeting
**Saturday, Aug. 24, 7:30 a.m.–4:00 p.m.,
 Hilton San Diego Bayfront**

Open meeting
**Sunday, Aug. 25, 7:30 a.m.–noon,
 Hilton San Diego Bayfront**

ACS Career Navigator

Opportunities for career development abound at the ACS national meeting in San Diego. The ACS Career Navigator offers comprehensive tools that allow you to explore varying career options, find opportunities in your field, and develop your skills to grow in your career. These offerings are applicable throughout your career and can help you achieve your goals, no matter what they are. Consider the offerings below.

ACS Leadership Development System

Whether you are a manager, experienced

C2N

Wear a Catalyzing Career Networking (C2N) ribbon during your time at the national meeting to indicate your career goal, whether you are seeking postdoctoral opportunities, faculty or research group leader positions, or an industry position. Pick one up at Career Navigator LIVE! in the Expo Hall.

professional, or new member of the workforce, we invite you to attend an ACS Leadership Development System course held at the ACS national meeting. Take a

course from the list below to gain skills you can immediately apply on the job or in school.

- ▶ Coaching and Feedback
- ▶ Collaborating across Boundaries
- ▶ Developing Communication Strategies
- ▶ Engaging Colleagues in Dialogue
- ▶ Fostering Innovation
- ▶ Leading Change
- ▶ Leading without Authority
- ▶ Strategic Planning

ACS Career Pathways

Register for an ACS Career Pathways workshop to help you find a career pathway and a job in the chemical sciences that is right for you. Our career-related workshops will help you with tasks such as improving your résumé, optimizing job performance, and acing an interview. Workshops include the following:

- ▶ Careers in Industrial Chemistry: Identifying Your Role in the Industrial Value Chain
- ▶ ChemIDP: Planning Your Career
- ▶ Finding Your Market, Defining Your Business
- ▶ Finding Yourself: Identifying a Career That Matches Your Strengths and Values
- ▶ Foreign National Scientists Obtaining a Job in the US
- ▶ Higher Ed: Presenting Yourself
- ▶ How to Find and Apply for a Chemistry Position in the Federal Government

- ▶ Making the Most of Your Interview: Outshining the Competition
- ▶ Networking: How to Get Started
- ▶ New Technologies to Find Jobs and Manage Your Career
- ▶ Opportunities for Chemists in the Federal Government
- ▶ Résumé Development: Marketing Your Brand for an Industrial Chemistry Position
- ▶ Setting Yourself Up for Success in an Interview
- ▶ The Higher Ed Landscape
- ▶ Writing Excellent Proposals
- ▶ Your Sales Marketing and Financing Plan

ACS Career Navigator LIVE!

Achieve your career goals right on the expo floor! Check out Career Navigator LIVE! (formerly the ACS Career Fair), your one-stop shop for career resources in San Diego. You'll get the chance to network with potential employers and other professionals and, if you are an ACS member, upload your resume and apply to open positions with participating organizations who have recruiters on-site. ACS members can also make an appointment with an ACS career consultant for personalized career advice.

Interested in becoming a career consultant? Stop by Career Navigator LIVE! on Sunday during expo hours to meet with

current consultants and shadow consulting sessions.

Professional education in-person short course

Refresh your skills and branch into new areas of emerging science and advanced applications with an ACS Professional Education in-person short course. Take a course in topics like mass spectrometry and polymeric coatings, all taught by industry experts:

- ▶ 1-D and 2-D NMR Spectroscopy: Structure Determination of Small Molecule Organic Compounds
- ▶ Effective Science Communication
- ▶ Effective Supervision of Scientists and the Technical Staff
- ▶ Effective Technical Writing
- ▶ Experimental Design for Productivity and Quality in Research and Development
- ▶ Fundamentals of High Performance Liquid Chromatography
- ▶ Intellectual Property Strategies for Technical Professionals
- ▶ Medicinal Chemistry Strategies to Mitigate Preclinical Safety Risks in Drug Discovery
- ▶ Pharmacokinetics for Chemists in Drug Discovery and Development
- ▶ Polymer Science and Technology
- ▶ Polymeric Coatings
- ▶ Risk-Based Strategy for the Development and Validation of Analytical Methods with a QbD Approach
- ▶ Soft Skills for Scientific Success
- ▶ Synthetic Organic Chemistry: State of the Art in the 21st Century
- ▶ Write Your Own Patent Applications

Other workshops

Don't miss workshops at the national meeting, held by the ACS Graduate & Postdoctoral Scholars Office. Register for "Myers Briggs: Graduate Student and Postdoc Self-Assessment," where you'll take the popular Myers-Briggs personality assessment and use your understanding of your personality type to enhance career development opportunities, and "Strength Finder: Discover Your Talents!" where you will gain self-awareness of your particular talents and strengths and use them to target your personal and professional goals.



Presidential Events

PRES

B. Charpentier, program chair

San Diego Convention Center	S	M	Tu	W	Th
Chemistry of Disasters **			P		
Chemistry of Water Reuse Processes toward Water Sustainability *(ENVR)	D	D	AE		
Water, Health & Environmental Justice in Marginalized Communities *(ENVR)	D		E		
Characterization of Plastics in Aquatic Environments *(POLY)	D				
150 Years of the Periodic Table *(HIST)	P	D			
Chemistry & Water: Opening Session *(MPPG)	P				
Water Scarcity: Challenges for Agriculture *(AGRO)		P			
Leadership Development: The ACS Commitment Now & for the Future *(BMGT)		P			
Connecting Safety, Education, Training & Productivity in Analytical Laboratories *(ANYL)			A		
GSSPC: From Oceans to Clouds: The Environmental Chemistry of Water *(CHED)			D		
Collaborating for the Greater Good: What Works & What Doesn't *(BMGT)			P		
Keeping Water Safe *(I&EC)				P	
Remediation of Wastewater from Energy Usage *(ENFL)					A

Multidisciplinary Program Planning Group

MPPG

E. Fox, C. Avery, program chairs

San Diego Convention Center/Omni San Diego Hotel	S	M	Tu	W	Th
Chemists without Borders: Celebrating 15 Years of Scientific/Humanitarian Collaboration ** <i>CW</i>	A				
Chemistry & Water: Opening Session ** <i>CW</i>	P				

*Cosponsored symposium with primary organizer shown in parentheses; located with primary organizer.

**Primary organizer of a cosponsored symposium.

CW: Chemistry & Water

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Multidisciplinary Program Planning Group (continued)

MPPG

E. Fox, C. Avery, program chairs

San Diego Convention Center/Omni San Diego Hotel	S	M	Tu	W	Th
Celebrating Sir Martyn Poliakoff: From Blue Matrix to Green Chemistry & Everything in Between **	P				
Tiny Solutions to Big Problems: Water Sustainability through Nanotechnology <i>CW</i>	P				
Spotlight on the Chemistry of Water in the Journal of the American Chemical Society <i>CW</i>		A			
The Fred Kavli Series <i>CW</i>		P			
Materials Making a Splash—Emerging Trends in Nanoscience, Materials Science & Photonics <i>CW</i>		P			
Environmental Chemistry through the Transformation Power of Film: An Environmental Film Competition of CEI & ENVR **			P		
Nanotechnology & Single Cell Analysis in Biology & Medicine *(ANYL)	D	D			
Water for Two Worlds *(COMSCI)			D		

Division of Agricultural and Food Chemistry

AGFD

L. Yu, X. Fan, program chairs

San Diego Convention Center	S	M	Tu	W	Th
Food Phenolics: From Bitterness & Astringency to Health-Promoting Properties	A				
Novel Structures from Food Biopolymers for Delivery of Bioactive Components <i>CW</i>	D	A			
Chemistry & Utilization of Agro-Based Materials ** <i>CW</i>	D	D	D		
Metals & Trace Elements in Food Safety, Health & Food Quality ** <i>CW</i>	D	D			
Food Bioactives: Chemistry & Health Effects ** <i>CW</i>	P	D			
Agnes Rimando Memorial International Student Symposium **	P	P			
General Posters	E				
Chemistry of Aged Beer & Spirits ** <i>CW</i>		A			
Nanotechnology Applications for Food & Agriculture **		P	A		
Sci-Mix		E			

Division of Agricultural and Food Chemistry (continued)

AGFD

L. Yu, X. Fan, program chairs

San Diego Convention Center	S	M	Tu	W	Th
Agnes Rimando Memorial Symposium in Honor of the Scientist & International Ambassador of Agricultural & Food Chemistry **			A		
ACS-AGFD Young Scientist Award **			A		
USDA-ARS Sterling B. Hendricks Memorial Lectureship Symposium ** <i>CW</i>			A		
Nutrition, Diet & Functional Foods in Health <i>CW</i>			D	D	
Functional Foods: The Chemistry, Bioactivity, Bioavailability & Biomarkers of Dietary Phytochemicals			P	A	
Proposition 65 on Food Safety **			P	D	
AGFD Award Symposium Honoring Dr. Fidel Toldra **			P		
Teaching & Learning Food Chemistry & Analysis				A	
Innovative Approaches to Enhancing Food Safety & Reducing Food Waste ** <i>CW</i>			D	A	
Edible Functional Food Packaging from Agricultural Biomacromolecules **			P	A	
General Papers				A	
The Role of the Microbiome in Mediating Health Effects of Dietary Components <i>CW</i>				A	
CRISPR/Gene Editing & RNAi: Utilization for Enhanced Crop Production *(AGRO)	A				
Agrochemical Residue & Metabolism Chemistry *(AGRO)	P	A		A	
2019 ACS International Award for Research in Agrochemicals: Advances in the Physiology & Biochemistry of Insect Control *(AGRO)		D	A		
Challenges & Opportunities Facing Early Career Scientists: Early Career Scientist Symposium *(AGRO)		P			
Biological Considerations for Agrochemical Control *(AGRO)				A	
Plant-Insect-Microbe Communications in Agriculture: General Session *(AGRO)			P	A	

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Division of Agrochemicals

AGRO

C. Cleveland, program chair

San Diego Convention Center	S	M	Tu	W	Th
Creative Thinking in Designing E fate Studies & Data Analysis to Meet Agrochemical Regulatory Challenges **	A				
CRISPR/Gene Editing & RNAi: Utilization for Enhanced Crop Production **	A				
Breaking Chemistry Barriers to Feed the World	D				
New Herbicides & Their Modes of Action	D				
Plant-Insect-Microbe Communications in Agriculture: Early Career Scientist Symposium	D				
Agrochemical Residue & Metabolism Chemistry **	P	A		A	
Pest Management Economics: Present & Future Considerations **	P				
Agrochemicals & Water: Advances in Prevention, Monitoring & Treatment ** <i>CW</i>		A			
Analytical Methodologies for Process Chemistry & Formulation Research **		A			
2019 ACS International Award for Research in Agrochemicals: Advances in the Physiology & Biochemistry of Insect Control **		D	A		
Off-Target Transport of Field Applied Agricultural Chemicals: Study Designs, Monitoring, Modeling & Risk Assessment **		D		A	
Advances in Exposure Modeling for Human Health Assessments **		D			
Metabolomics & Metabolite Identification in Agricultural Research		P	A		
Challenges & Opportunities Facing Early Career Scientists: Early Career Scientist Symposium **		P			
Water Scarcity: Challenges for Agriculture ** <i>CW</i>		P			
Sci-Mix		E			
Advances in Analytical Technologies Supporting Environmental Fate, Metabolism & Residue Analysis **			A	A	
Biostimulants in Agriculture: Chemistry & Regulatory Aspects **			D	A	
Surfactant & Colloid Science Applied to Formulations **			D	A	
Kenneth A. Spencer Award & Related Presentations			D		

**Division of Agrochemicals
(continued)****AGRO***C. Cleveland, program chair*

San Diego Convention Center	S	M	Tu	W	Th
Next Generation Watershed Modeling of Agrochemicals ** <i>CW</i>			P		
Simulating Fumigant Transport & Emissions: The Evolving Role of Modeling in California Regulations **			P		
What Does Nanotechnology Have to Do with Agriculture? **			P		
Environmental Fate, Transport & DRIFT Modeling of Agrichemicals				A	
Ecological Considerations of Crop Protection **				A	
New Herbicides & Their Modes of Action & Design				A	
Biological Considerations for Agrochemical Control **				A	
Pollinators in Agroecosystems: Current Science Issues & Risk Assessment Approaches **				A	
Process Research & Development in Crop Protection				A	
Development of Novel Vector Control Technologies **				D	A
Environmental Fate, Transport & Modeling of Agriculturally Related Chemicals				D	
Transfer of Analytical Methods: The Good, the Bad & the Ugly				D	
Plant-Insect-Microbe Communications in Agriculture: General Session **				P	A
Innovative Approaches to Managing the Interface between Pesticide Use & Non-target Species Habitat Protection **				P	
Advances in Spray Drift Deposition Characterization & Measurement **					A
Interpreting, Communicating & Managing Risk in the FIFRA/ESA Regulatory Setting					A
To GLP or Not? How-Tos for the AGRO Professional					A
Formulating Complex Agrochemical Mixtures					P
High Throughput Approaches to Support Pesticide Discovery & Development					P
Legal Challenges & Landmark Lawsuits in Agrochemicals **					P
Novel Applications of Mathematics, Statistics & Modeling to Agrochemical Problems					P

**Division of Agrochemicals
(continued)****AGRO***C. Cleveland, program chair*

San Diego Convention Center	S	M	Tu	W	Th
Unmanned Aerial Vehicles (aka Drones): Pesticide Spraying & Other Agricultural Applications **					P
Chemistry of Water Reuse Processes toward Water Sustainability *(ENVR)	D	D	AE		
Chemistry & Utilization of Agro-Based Materials *(AGFD)	D	D	D		
Metals & Trace Elements in Food Safety, Health & Food Quality *(AGFD)	D	D			
Food Bioactives: Chemistry & Health Effects *(AGFD)	P	D			
Current Advances in Water Analysis: From Citizen Scientists to Laboratory Breakthroughs *(ENVR)		A			
Nanotechnology Applications for Food & Agriculture *(AGFD)		P	A		
Sensors & Biosensors for Widespread Environmental Monitoring *(ENVR)		P	E		
Agnes Rimando Memorial Symposium in Honor of the Scientist & International Ambassador of Agricultural & Food Chemistry *(AGFD)			A		
USDA-ARS Sterling B. Hendricks Memorial Lectureship Symposium *(AGFD)			A		
Non-targeted Analysis to Understand Fate & Effects of Pharmaceuticals & Emerging Contaminants in Agriculture & Natural Environments *(ENVR)			AE		
Sensors for Water Quality Assessment in Resource Limited Environments *(ENVR)			AE		
Chemistry & Applications of Free Radical-Based Technologies for Water Treatment & Purification *(ENVR)			DE	D	
Proposition 65 on Food Safety *(AGFD)			P	D	
Biochar & Hydrochar for Energy, Environmental & Agricultural Applications *(ENVR)			PE	D	
Innovative Approaches to Enhancing Food Safety & Reducing Food Waste *(AGFD)				D	A
Edible Functional Food Packaging from Agricultural Biomacromolecules *(AGFD)				P	A

Division of Analytical Chemistry

ANYL

K. Agnew-Heard, M. Bush, program chairs

Marriott Marquis San Diego Marina	S	M	Tu	W	Th
Measuring Protein Conformations & Folding inside the Cell **	A				
Chemical Forensics CW	D	A			
Nanotechnology & Single Cell Analysis in Biology & Medicine **	D	D			
Advances in Wearable & Implantable Sensors	D	D			
Origins & Future of Metabolite & Small Molecule Identification **	D				
Zarefest: Symposium in Honor of Richard Zare's Love for Science **	DE				
Advances in Fluorescence & Bioluminescence Imaging Probes **	P	D			
Structure at Solid-Liquid Interfaces: Effects of Confinement & Chemical Patterning ** CW	E	D	A		
Nanozymes for Bioanalysis & Beyond **	E		D	D	
Biosensing: New Strategies & Latest Developments **	E		P	D	A
Analytical Division Poster Session	E				
Identification & Design of Catalytic Sites in Electrochemical Reactions ** CW		D	D		
Metabolomics in Forensics: Applications, Technical Barriers & Emerging Approaches for Chemical Identification Using In Silico Reference Libraries **		P			
Sci-Mix		E			
Connecting Safety, Education, Training & Productivity in Analytical Laboratories **			A		
ACS Sensors Young Investigators			A		
Mass Spectrometry of Biomolecular Assemblies **			D		
Exploration of the Nano-Bio Interface with Analytical Tools **			P	A	
Analytical Division Awards			P		
Interface between Experiments & Modeling in Unraveling the Physical & Chemical Properties of Charged Droplets **				D	A
Advances in Electrochemistry				D	
From Antibody-Based to Mass Spectrometry-Based Analysis of Emerging Contaminants in Water: Advances & Future Trends ** CW				D	
Study of Circulating, Cell-Free Biomarkers with Analytical Tools **				P	A
Advances in Mass Spectrometry					A

Division of Analytical Chemistry (continued)

ANYL

K. Agnew-Heard, M. Bush, program chairs

Marriott Marquis San Diego Marina	S	M	Tu	W	Th
Chemometric Analysis for Aqueous Samples ** CW					A
Advances in Spectroscopy					D
Getting to the Bottom: Optical & Electron Imaging of Reactive Chemical Systems *(PHYS)	D	D	A		
Characterization of Plastics in Aquatic Environments *(POLY)	D				
Theoretical & Experimental Investigations of Water Interactions with Materials *(COLL)	E			D	A
Liquid Assets: The Business of Water *(SCHB)		A			
Eminent Scientist Lecture with Dr. Marya Lieberman *(SOCED)		P			

Division of Biochemical Technology

BIOT

J. Neville, B. Pfleger, program chairs

Located with Primary Sponsor	S	M	Tu	W	Th
Measuring Protein Conformations & Folding inside the Cell *(ANYL)	A				
Origins & Future of Metabolite & Small Molecule Identification *(ANYL)	D				
Nanozymes for Bioanalysis & Beyond *(ANYL)	E		D	D	
Biosensing: New Strategies & Latest Developments *(ANYL)	E		P	D	A
Mass Spectrometry of Biomolecular Assemblies *(ANYL)			D		
Exploration of the Nano-Bio Interface with Analytical Tools *(ANYL)			P	A	
Study of Circulating, Cell-Free Biomarkers with Analytical Tools *(ANYL)				P	A

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Division of Biological Chemistry

BIOL

P. Bevilacqua, M. Distefano, program chairs

Marriott Marquis San Diego Marina	S	M	Tu	W	Th
Early Career Investigators in Biological Chemistry	A			A	
Biomolecular Structure & Function in Liquid-Liquid Phase Separation: Roles for Nucleic Acids	A				
Graduate Student & Postdoctoral Fellow Symposium	P			P	D
Gordon Hammes Award Lecture	P				
Current Topics	E		E		
Frontiers in Interdisciplinary Research: New Paradigms for Integration of Theory & Experiment **		D			
Mid-Career Investigators in Biological Chemistry		D			
Sci-Mix		E			
Recent Developments in Structural Biology **			A		
Global Health: Biology & Chemistry of Waterborne Diseases **			A		
ACS Infectious Diseases Young Investigators Award Symposium **			P		
Eli Lilly Award in Biological Chemistry			P		
Pfizer Award in Enzyme Chemistry				A	
Covalent & Non-covalent Dimers as Therapeutic Agents in Drug Discovery **				P	
Measuring Protein Conformations & Folding inside the Cell *(ANYL)	A				
CRISPR/Gene Editing & RNAi: Utilization for Enhanced Crop Production *(AGRO)	A				
Nanotechnology & Single Cell Analysis in Biology & Medicine *(ANYL)	D	D			
Origins & Future of Metabolite & Small Molecule Identification *(ANYL)	D				
Characterization of Plastics in Aquatic Environments *(POLY)	D				
Nanozymes for Bioanalysis & Beyond *(ANYL)	E		D	D	
Biosensing: New Strategies & Latest Developments *(ANYL)	E		P	D	A
2019 ACS International Award for Research in Agrochemicals: Advances in the Physiology & Biochemistry of Insect Control *(AGRO)			D	A	
Future of Biomacromolecules at a Crossroads of Polymer Science & Biology *(POLY)		D	E	D	

Division of Biological Chemistry
(continued)

BIOL

P. Bevilacqua, M. Distefano, program chairs

Marriott Marquis San Diego Marina	S	M	Tu	W	Th
Challenges & Opportunities Facing Early Career Scientists: Early Career Scientist Symposium *(AGRO)		P			
Bioestimulants in Agriculture: Chemistry & Regulatory Aspects *(AGRO)			D	A	
Mass Spectrometry of Biomolecular Assemblies *(ANYL)			D		
Exploration of the Nano-Bio Interface with Analytical Tools *(ANYL)			P	A	
Study of Circulating, Cell-Free Biomarkers with Analytical Tools *(ANYL)				P	A
Glycans in Context *(CARB)					D

Division of Business
Development and
Management

BMGT

A. DeMasi, program chair

San Diego Convention Center	S	M	Tu	W	Th
Chemical Angel Network **	P				
Leadership Development: The ACS Commitment Now & for the Future **		P			
Collaborating for the Greater Good: What Works & What Doesn't **			P		
Pest Management Economics: Present & Future Considerations *(AGRO)	P				
Liquid Assets: The Business of Water *(SCHB)		A			
Mass Spectrometry of Biomolecular Assemblies *(ANYL)			D		
Gerry Meyer: The First 100 Years *(SCHB)			D		

Division of Carbohydrate
Chemistry

CARB

S. Sucheck, program chair

San Diego Convention Center	S	M	Tu	W	Th
Centennial Celebration of ACS Carbohydrate Chemistry: Chairs' Perspective	D				
General Posters	E				
Carbohydrate Synthesis for CARB's Next Century		D			
Sci-Mix		E			

Division of Carbohydrate Chemistry (continued)**CARB***S. Sucheck, program chair*

San Diego Convention Center	S	M	Tu	W	Th
Japanese-American Symposium on Applied & Translational Glycosciences			D		
Uncovering the Biological Roles of Protein O-GlcNAcylation with Chemistry				D	
Glycans in Context **					D
Future of Biomacromolecules at a Crossroads of Polymer Science & Biology *(POLY)		D	E	D	

Division of Catalysis Science and Technology**CATL***S. Crossley, A. Savara, program chairs*

San Diego Convention Center	S	M	Tu	W	Th
Advances in Catalysis with Ceria & Other Reducible Oxides **	D	D	A		
Ambient Pressure Spectroscopy in Complex Environments ** <i>CW</i>	D	D			
Future Insights into Syngas Conversion Catalysis: Symposium in Honor of Burtron H. Davis ** <i>CW</i>	D		D	A	
Catalysis at Metal-Support Interfaces ** <i>CW</i>	D			A	
Solvent Effects in Metal-Catalyzed Reactions ** <i>CW</i>	D				
Catalytic Conversion of Biomass-Derived Oxygenates ** <i>CW</i>		D	D	D	
Electrocatalysis for Energy Generation & Storage **		D	D		
2019 ACS Catalysis Lectureship for the Advancement of Catalytic Science: Symposium in Honor of Maria Flytzani-Stephanopoulos & Charles Sykes **		D			
CATL Division Awards: Symposium in Honor of Francisco Zaera & Yuriy Román-Leshkov			D		
Hybrid Biological & Chemocatalytic Processes for Biomass Upgrading to Fuels & Chemicals **			P		
General Catalysis <i>CW</i>			E		D
Fundamentals of Catalysis in Nanoporous Materials **				D	
Understanding the Role of Water in Solid Acid-Base Catalysis ** <i>CW</i>				D	
In Situ & Operando Spectroscopy ** <i>CW</i>				P	A
Amorphous Materials: Challenges & Opportunities **				P	

Division of Catalysis Science and Technology (continued)**CATL***S. Crossley, A. Savara, program chairs*

San Diego Convention Center	S	M	Tu	W	Th
Catalysis for Environmental & Energy Applications *(ENVR)	D		E	P	
Adsorption & Reaction at Surfaces: Symposium in Honor of Charles T. Campbell *(COLL)	DE	D	A		
Charge & Substrate Transport in 3D Electrocatalytic Materials *(INOR)		P	D		

Division of Cellulose and Renewable Materials**CELL***W. Thielemans, G. Larkin, program chairs*

Marriott Marquis San Diego Marina	S	M	Tu	W	Th
Lignin Based Bioproducts	D	A			
General Posters <i>CW</i>	E				
Sci-Mix		E			
Advances in Characterizing Modified & Degraded Wood <i>CW</i>			A		
Materials Advances in Nanocellulose Research for Engineered Functionality ** <i>CW</i>				A	A
Future of Biomacromolecules at a Crossroads of Polymer Science & Biology *(POLY)		D	E	D	

Division of Chemical Education**CHED***I. Black, P. Daubenmire, L. Qiong Wang, program chairs*

Marriott Marquis San Diego Marina	S	M	Tu	W	Th
Adapting Authentic Research to the Teaching Lab: Challenges & Rewards	D				
Chemistry Teacher's Day	D				
Undergraduate Research Papers	P				
General Posters	E				
Assessment & Measurement in Research & Practice		A			
Green & Sustainable Chemistry Theory & Practice: Chemistry & Water **		A			
Academic Lab Safety **		D			
Engaging Students in Physical Chemistry **		P			
Programs Designed to Promote Greater Retention in STEM & Chemistry		P			

Division of Chemical Education (continued)

CHED

I. Black, P. Daubenmire, L. Qiong Wang, program chairs

Marriott Marquis San Diego Marina	S	M	Tu	W	Th
Undergraduate Research Posters		P			
Successful Student Chapters		E			
Sci-Mix		E			
State of the Art: Diversity & Inclusion in Chemistry Education **			A		
Research in Chemistry Education			D		
GSSPC: From Oceans to Clouds: The Environmental Chemistry of Water ** <i>CW</i>			D		
Hands-On Chemistry Beyond the Classroom: Chemical Education in Informal Settings			P		
3D Printing in Chemistry Education: Where, Wherefore & Whereto				A	
General Papers				D	
Leveraging Collaborative Research for Collaborative Outreach				P	
Get the Facts Out: Faculty & Student Perceptions of K-12 Teaching Careers					A
Technology in Chemical Education					A
Immersive Virtual Reality for Molecular Design *(COMP)	A				
Henkel Outstanding Graduate Research in Polymer Chemistry *(POLY)			A		
Gerry Meyer: The First 100 Years *(SCHB)			D		

Division of Chemical Health and Safety

CHAS

D. Decker, J. Pickel, program chairs

Marriott Marquis San Diego Marina	S	M	Tu	W	Th
Division of Chemical Health & Safety Awards **	P				
Connecting Professionalism, Safety & Ethics: Opportunities & Challenges **		D			
CHAS 40th Anniversary Symposium **		P			
Sci-Mix		E			
Cannabis Production: Streamlining the Flow			A		
Cannabis & Water: Merging the Insoluble ** <i>CW</i>			P		
Graduate Students Perspective on Safety Education **				A	
Cannabis & Hemp Analytical Science: The Glass Is (More Than) Half-Full **				P	

Division of Chemical Health and Safety (continued)

CHAS

D. Decker, J. Pickel, program chairs

Marriott Marquis San Diego Marina	S	M	Tu	W	Th
Academic Lab Safety *(CHED)		D			
Connecting Safety, Education, Training & Productivity in Analytical Laboratories *(ANYL)			A		
Chemistry of Disasters *(PRES)			P		
Keeping Water Safe *(I&EC)				P	

Division of Chemical Information

CINF

S. Cardinal, program chair

Omni San Diego Hotel	S	M	Tu	W	Th
Nothing New under the Sun: The Practical Challenges of Patent Novelty Searching **	A				
Importance of Collaboration to Create Student Success in the Laboratory & Beyond	D				
Text-Mining & Natural Language Processing for Chemical Information: From Documents to Knowledge	D				
Chemical Nomenclature & Representation: Past, Present & Future **	P	D			
CINF Scholarships for Scientific Excellence: Student Poster Competition	E				
Successful Projects Fueled by Open-Source Tools		A			
Driving Drug Discovery via Innovative Data Visualization		D			
Materials Informatics		P			
Sci-Mix		E			
Drug Discovery: Informatics Approaches			A		
Extended Reality (XR) in Libraries & Beyond			A		
Herman Skolnik Award Symposium Honoring Dr. Kimito Funatsu **			A		
Machine Learning & Artificial Intelligence in Computational Chemistry			P	D	

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Division of Chemical Information (continued)

C I N F

S. Cardinal, program chair

Omni San Diego Hotel	S	M	Tu	W	Th
One Million Crystal Structures: A Wealth of Structural Chemistry Knowledge			P	D	
Biologic Informatics			P		
Web-Based Chemistry Databases				D	
Immersive Virtual Reality for Molecular Design *(COMP)	A				
Bibliography of Chemistry *(HIST)	A				
Nanoinformatics: Information & Data Sciences Applied to Nanomaterials Synthesis, Properties & Biological Effects *(COLL)	D				
150 Years of the Periodic Table *(HIST)	P	D			
Connecting Professionalism, Safety & Ethics: Opportunities & Challenges *(CHAS)			D		
Connecting Safety, Education, Training & Productivity in Analytical Laboratories *(ANYL)			A		

Division of Chemical Toxicology

T O X I

T. Spratt, program chair

Omni San Diego Hotel	S	M	Tu	W	Th
Translation Aspects of DNA Repair	A				
Founder's Award Symposium: The Role of Carbonyl Metabolism in Health & Disease	P				
Student & Postdoctoral Scholar Symposium		A			
Current Approaches to Discovery Phase Safety Assessment in the Industry		P			
Emerging Topics in Chemical Toxicology			A		
Chemical Research in Toxicology Young Investigator Award Symposium			P		
Keynote Lecture			P		
TOXI Poster Session			E		
Epigenetic Response to Endogenous & Exogenous Toxins				A	
Topics in Chemical Toxicology				P	
Advances in Exposure Modeling for Human Health Assessments *(AGRO)		D			
Biostimulants in Agriculture: Chemistry & Regulatory Aspects *(AGRO)			D	A	

Division of Chemistry and the Law

C H A L

K. Bianco, K. McIntyre, program chairs

San Diego Convention Center	S	M	Tu	W	Th
Strengthening Your Patent Rights in Light of Recent Federal Circuit Court Decisions	P				
Protecting Your Inventions		A			
Evolution of the Chemistry Legal Landscape		P			
Sci-Mix		E			
Beyond the Bench: Non-traditional Careers in Chemistry **			A		
The Many Faces of CHAL: Where Chemistry Meets the Law			P		
Nothing New under the Sun: The Practical Challenges of Patent Novelty Searching *(CINF)	A				
Legal Challenges & Landmark Lawsuits in Agrochemicals *(AGRO)					P

Division of Colloid and Surface Chemistry

C O L L

R. Nagarajan, program chair

San Diego Convention Center	S	M	Tu	W	Th
Nanoinformatics: Information & Data Sciences Applied to Nanomaterials Synthesis, Properties & Biological Effects **	D				
Hierarchical Assembly of Peptide & Protein: From Interaction & Structure to Application	DE	A			
Formulation Strategies to Control the Physicochemical Parameters of Drug & Nucleic Acid Delivery Systems	DE	D	A	A	
Nanomaterials	DE	D	A	D	A
Adsorption & Reaction at Surfaces: Symposium in Honor of Charles T. Campbell **	DE	D	A		
Confined Dynamics of Molecules & Particles at Interfaces, in Pores & under Crowded Conditions	DE	D	A		
Frontiers & Challenges in Nanoparticle-Mediated Chemical Transformations	DE	D	A		
Water & Tribological Interfaces ** CW	DE	D			
Colloidal Quantum Dots for Emerging Technologies	DE				
Surfaces & Interfaces in the Environment: Symposium in Honor of Vicki Grassian **	E	D		D	

Division of Colloid and Surface Chemistry (continued)**COLL***R. Nagarajan, program chair*

San Diego Convention Center	S	M	Tu	W	Th
Colloid & Surface Chemistry in Industry: Applications & Career Opportunities	E	D			
Biomaterials & Biointerfaces	E	P	A	D	A
Colloids & Nanomaterials for Water Purification CW	E		A		
Basic Research in Colloids, Surfactants & Interfaces	E		D	D	A
Targeted Delivery of Nanomedicines In Vivo	E		D	D	A
Surface Chemistry	E		P	D	A
Theoretical & Experimental Investigations of Water Interactions with Materials ** CW	E			D	A
Fundamental Research in Colloids, Surfaces & Nanomaterials	E				
Sci-Mix		E			
Langmuir Lectures, NanoLetters Award Lecture, ACS Materials & Interfaces Award Lecture			P		
Nanoscale & Molecular Assemblies: Designing Matter to Control Energy Transport *(PHYS)	D	D	A	D	D
Nanotechnology & Single Cell Analysis in Biology & Medicine *(ANYL)	D	D			
Ambient Pressure Spectroscopy in Complex Environments *(CATL)	D	D			
Structure at Solid-Liquid Interfaces: Effects of Confinement & Chemical Patterning *(ANYL)	E	D	A		
Future of Biomacromolecules at a Crossroads of Polymer Science & Biology *(POLY)		D	E	D	
Water, Ice & Clathrate Hydrate Geochemistry: Molecular Structures, Microscopic Properties & Energetics *(GEOC)		P	A		
Surfactant & Colloid Science Applied to Formulations *(AGRO)			D	A	
What Does Nanotechnology Have to Do with Agriculture? *(AGRO)			P		

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CW: Chemistry & Water

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Division of Computers in Chemistry**COMP***H. L. Woodcock, J. Shen, program chairs*

Omni San Diego Hotel	S	M	Tu	W	Th
Quantum Mechanics	A	D			A
Immersive Virtual Reality for Molecular Design **	A				
Advances in Multiscale Modeling	D	D			
Advances in Multiscale Computational Modeling of Biomass Conversion Processes	D				
Use of Predictive Computational ADME Tools to Enable Drug Discovery	D				
Role of Water Phase in Molecular Biology: Importance of Water in Folding, Binding & Transport Phenomena CW	P	D	D	A	
Molecular Mechanics	P		P	A	A
Recent Advances in Kinase Drug Discovery: A Joint Venture between Medicinal, Biological & Computational Chemists **		D	A		
Women Make COMP **		D			
Sci-Mix		E			
Drug Design			D	D	
Exploring Transition Metal Chemistry & Spectroscopy with Quantum Chemistry			D	D	
Protein Degradation Computational Design			D		
COMP Poster Session			E		
NVIDIA GPU Award			E		
OpenEye Outstanding Junior Faculty Award			E		
Wiley Computers in Chemistry Outstanding Postdoc Award			E		
Chemical Computing Group Graduate Student Travel Awards			E		
Molecular Mechanics: Molecular Simulations for Materials Design				A	
Computational Studies of Water CW				P	A
Material Science				P	A
Molecular Mechanics: Conformational Dynamics of Receptors, Ion Channels & Transporters				P	A
Computational Quantum Chemistry: From Promise to Prominence: A Symposium in Honor of Henry F. Schaefer *(PHYS)	D	D	A	D	D
Computational Methods for Lanthanides & Actinides: Theory & Applications *(NUCL)	E	P	A		
Frontiers in Interdisciplinary Research: New Paradigms for Integration of Theory & Experiment *(BIOL)		D			

Division of Computers in Chemistry (continued)**COMP***H. L. Woodcock, J. Shen, program chairs*

Omni San Diego Hotel	S	M	Tu	W	Th
Metabolomics in Forensics: Applications, Technical Barriers & Emerging Approaches for Chemical Identification Using In Silico Reference Libraries *(ANYL)		P			
Interface between Experiments & Modeling in Unraveling the Physical & Chemical Properties of Charged Droplets *(ANYL)				D	A
Chemometric Analysis for Aqueous Sample *(ANYL)					A

Division of Energy and Fuels**ENFL***H. Lin, program chair*

San Diego Convention Center	S	M	Tu	W	Th
Energy & Fuels Lectureship Award in Honor of Mark Thomas	A				
Hybrid Energy Techniques: Catalysts to Vehicle	D	A			
Innovative Chemistry & Materials for Electrochemical Energy Storage	D	D	D	A	
Atomic-Level Understanding & Design of Materials & Processes for Energy Applications	D	D	D	D	A
Advancing Innovative Battery Technologies	D	D	D		
2D Materials & Beyond: Innovative Materials, Assemblies & Devices for Energy & Fuel	D	D			
Hybrid Organic-Inorganic Semiconductors for Energy	D	D			
Understanding of Energy Materials with Advanced Computation & Characterization	D	D			
Sustainable Energy & Water via Innovative Electrocatalytic, Photocatalytic & Hybrid Catalytic Systems CW	P	D	D	D	A
Photocatalysis for Energy & Environment		P	D	D	
Sci-Mix		E			
Accelerating Scientific Breakthroughs at the Energy-Water Nexus in Engineered & Natural Environment CW			A		
Materials for Energy & Environmental Sustainability			D	A	
Sustainable Biofuels & Bio-Based Products			D	D	

Division of Energy and Fuels (continued)**ENFL***H. Lin, program chair*

San Diego Convention Center	S	M	Tu	W	Th
7th International Symposium on Mesoporous Zeolites			P	A	
ENFL General Posters			E		
Energy Conversion Technologies Based on Solid Oxide Electrolyte Electrochemical Cells				D	A
Advances in Fundamental Research for Energy Storage beyond Lithium-Ion				P	A
Cross-Scale Science for Energy & Resource Recovery				P	A
Hybrid Functional Porous Materials: MOFs, Silica & Conductive Polymers				P	A
Eco-friendly, Derived Nanostructured Materials & Characterization for Renewable Energy Applications					A
Remediation of Wastewater from Energy Usage CW					A
Advances in Catalysis with Ceria & Other Reducible Oxides *(CATL)	D	D	A		
Future Insights into Syngas Conversion Catalysis: Symposium in Honor of Burtron H. Davis *(CATL)	D		D	A	
Catalysis at Metal-Support Interfaces *(CATL)	D			A	
Solvent Effects in Metal-Catalyzed Reactions *(CATL)	D				
Catalytic Conversion of Biomass-Derived Oxygenates *(CATL)		D	D	D	
Identification & Design of Catalytic Sites in Electrochemical Reactions *(ANYL)		D	D		
Electrocatalysis for Energy Generation & Storage *(CATL)		D	D		
Charge & Substrate Transport in 3D Electrocatalytic Materials *(INOR)		P	D		
Gerry Meyer: The First 100 Years *(SCHB)			D		
Hybrid Biological & Chemocatalytic Processes for Biomass Upgrading to Fuels & Chemicals *(CATL)			P		
Fundamentals of Catalysis in Nanoporous Materials *(CATL)				D	
Understanding the Role of Water in Solid Acid-Base Catalysis *(CATL)				D	
In Situ & Operando Spectroscopy *(CATL)				P	A
Amorphous Materials: Challenges & Opportunities *(CATL)				P	

Division of Environmental Chemistry

ENVR

J. L. Goldfarb, program chair

San Diego Convention Center	S	M	Tu	W	Th
Water in the Solid State: Reactions & Interactions with Impurities **	D	A	E		
Showcasing Emerging Investigators & Future Perspectives: A Symposium by the RSC Environmental Science Journals	D	A			
Chemistry of Water Reuse Processes toward Water Sustainability **	D	D	AE		
Emerging Contaminants in Wastewater	D	D	E		
Catalysis for Environmental & Energy Applications **	D		E	P	
Water, Health & Environmental Justice in Marginalized Communities **	D		E		
Current Advances in Water Analysis: From Citizen Scientists to Laboratory Breakthroughs **		A			
Wastewater-Based Epidemiology: Opportunities, Challenges & Applications to Public Health & Safety		D	E		
Nanomaterials & Sustainability **		P	DE		
Green Chemistry & the Environment **		P	E		
Plastics in Aquatic Environments, Part II: Transport, Fate & Global Impacts **		P	E		
Sensors & Biosensors for Widespread Environmental Monitoring **		P	E		
Sci-Mix		E			
Non-targeted Analysis to Understand Fate & Effects of Pharmaceuticals & Emerging Contaminants in Agriculture & Natural Environments **			AE		
Sensors for Water Quality Assessment in Resource Limited Environments **			AE		
Legacy & Emerging Per- & Polyfluoroalkyl Substances: Identification, Fate, Transport, Exposure & Removal			DE	A	
Chemistry & Applications of Free Radical-Based Technologies for Water Treatment & Purification **			DE	D	
C. Ellen Gonter Environmental Graduate Student Award Symposium			P		

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Division of Environmental Chemistry (continued)

ENVR

J. L. Goldfarb, program chair

San Diego Convention Center	S	M	Tu	W	Th
Fundamental Chemical Processes Common to Dissolved Organic Matter & Atmospheric Organic Aerosols			PE	D	D
Biochar & Hydrochar for Energy, Environmental & Agricultural Applications **			PE	D	
Safeguarding Water Quality in a Climate of Change **			E	D	A
Artificial Water Channels for Water Purification & Desalination			E	D	
Stormwater Treatment & Green Infrastructure: From Research to Practice			E	P	D
General Poster Session			E		
Creative Thinking in Designing Efate Studies & Data Analysis to Meet Agrochemical Regulatory Challenges *(AGRO)	A				
Geogenic & Anthropogenic Sources of Trace Elements within Surface & Groundwater Systems & Their Effects on Water Quality *(GEOC)	A				
Chemists without Borders: Celebrating 15 Years of Scientific/Humanitarian Collaboration *(MPPG)	A				
Advances in Catalysis with Ceria & Other Reducible Oxides *(CATL)	D	D	A		
Novel Polymeric Materials & Polymer-Based Processes for Energy-Efficient Treatment of Water & Resource Recovery *(PMSE)	D	D	D	D	A
Future Insights into Syngas Conversion Catalysis: Symposium in Honor of Burtron H. Davis *(CATL)	D		D	A	
Characterization of Plastics in Aquatic Environments *(POLY)	D				
Chemistry & Water: Opening Session *(MPPG)	P				
Surfaces & Interfaces in the Environment: Symposium in Honor of Vicki Grassian *(COLL)	E	D		D	
Agrochemicals & Water: Advances in Prevention, Monitoring & Treatment *(AGRO)		A			
Analytical Methodologies for Process Chemistry & Formulation Research *(AGRO)		A			
Ocean Science: Research Reflections at the Marina *(SOCED)		A			

Division of Environmental Chemistry (continued)

ENVR

J. L. Goldfarb, program chair

San Diego Convention Center	S	M	Tu	W	Th
Future of Biomacromolecules at a Crossroads of Polymer Science & Biology *(POLY)		D	E	D	
Off-Target Transport of Field Applied Agricultural Chemicals: Study Designs, Monitoring, Modeling, & Risk Assessment *(AGRO)		D		A	
Water Scarcity: Challenges for Agriculture *(AGRO)		P			
Advances in Analytical Technologies Supporting Environmental Fate, Metabolism & Residue Analysis *(AGRO)			A	A	
Next Generation Watershed Modeling of Agrochemicals *(AGRO)			P		
Simulating Fumigant Transport & Emissions: The Evolving Role of Modeling in California Regulations *(AGRO)			P		
Environmental Chemistry through the Transformation Power of Film: An Environmental Film Competition of CEI & ENVR *(MPPG)			P		
Ecological Considerations of Crop Protection *(AGRO)				A	
Pollinators in Agroecosystems: Current Science Issues & Risk Assessment Approaches *(AGRO)				A	
Geochemistry of the Urban & Lived Environment *(GEOC)				A	
From Antibody-Based to Mass Spectrometry-Based Analysis of Emerging Contaminants in Water: Advances & Future Trends *(ANYL)				D	
Innovative Approaches to Managing the Interface Between Pesticide Use & Non-target Species Habitat Protection *(AGRO)				P	
Sorption & Redox at Mineral-Water Interfaces & the Impact on the Biogeochemical Cycling of Trace & Major Elements *(GEOC)				P	
Chemometric Analysis for Aqueous Sample *(ANYL)					A
Advances in Spray Drift Deposition Characterization & Measurement *(AGRO)					A
Unmanned Aerial Vehicles (aka Drones): Pesticide Spraying & Other Agricultural Applications *(AGRO)					P

Division of Geochemistry

GEOC

A. Rouff, program chair

San Diego Convention Center	S	M	Tu	W	Th
Geogenic & Anthropogenic Sources of Trace Elements within Surface & Groundwater Systems & Their Effects on Water Quality ** <i>CW</i>	A				
Second Symposium on Applied Geochemical Modeling <i>CW</i>	P				
Impacts of Wetland Hydro-Biogeochemistry on Water Quality <i>CW</i>		A			
Water, Ice & Clathrate Hydrate Geochemistry: Molecular Structures, Microscopic Properties & Energetics ** <i>CW</i>		P	A		
Advancing the Understanding of Mineral-Water Interfacial Processes through Synergy between Theory & Experiment <i>CW</i>			P	A	
General Geochemistry			E		A
Geochemistry of the Urban & Lived Environment ** <i>CW</i>				A	
Sorption & Redox at Mineral-Water Interfaces & the Impact on the Biogeochemical Cycling of Trace & Major Elements ** <i>CW</i>				P	
Water in the Solid State: Reactions & Interactions with Impurities *(ENVR)	D	A	E		

Division of the History of Chemistry

HIST

N. Tsarevsky, program chair

Marriott Marquis San Diego Marina	S	M	Tu	W	Th
Bibliography of Chemistry **	A				
150 Years of the Periodic Table **	P	D			
Sci-Mix		E			
HIST Award			D		
150 Years of the Publication of the 1st issue of Zhurnal Russkogo Fiziko-Khimicheskogo Obshchestva				A	
Tutorial & General Papers				P	
Chemical Nomenclature & Representation: Past, Present & Future *(CINF)	P	D			
CHAS 40th Anniversary Symposium *(CHAS)		P			
Gerry Meyer: The First 100 Years *(SCHB)			D		

Division of Industrial and Engineering Chemistry

I & E C

C. Abney, R. Mayes, program chairs

Marriott Marquis San Diego Marina	S	M	Tu	W	Th
I&EC General Papers **	D				
I&EC Graduate Student Award Symposium **		D			
Sci-Mix		E			
Molten Salt Chemistry **			D	A	
I&EC General Posters **			E		
Keeping Water Safe ** <i>CW</i>				P	
Molten Salt Reactor Chemistry *(NUCL)	D	D			
Characterization of Plastics in Aquatic Environments *(POLY)	D				
Green & Sustainable Chemistry Theory & Practice: Chemistry & Water *(CHED)		A			
Liquid Assets: The Business of Water *(SCHB)		A			
I&EC Graduate Student Award Symposium *(I&EC)		D			
Chemistry of Disasters *(PRES)			P		

Division of Inorganic Chemistry

I N O R

N. Radu, S. Koch, program chairs

Marriott Marquis San Diego Marina	S	M	Tu	W	Th
Environmental & Energy-Related Inorganic Chemistry	A		E	A	
Main Group Chemistry	A		E	P	A
Organometallic Chemistry	AE	A	PE	D	A
Bioinorganic Chemistry	D			D	
Chemistry of Materials	DE		D	D	A
Emerging Research in Molecular Synthesis	DE	D	D		
Coordination Chemistry	P	A	PE	D	
Inorganic Young Investigator Awards	P				
Organometallics Distinguished Author Symposium	P				
Undergraduate Research at the Frontiers of Inorganic Chemistry	PE				
Electrochemistry	E	A			

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Division of Inorganic Chemistry (continued)

I N O R

N. Radu, S. Koch, program chairs

Marriott Marquis San Diego Marina	S	M	Tu	W	Th
Learning from Nature—Earth-Abundant Metals for Oxidation Catalysis	E	D	P		
Inorganic Catalysts	E		A	A	
Inorganic Chemistry Lectureship		A			
Inorganic Chemistry for Sustainable Energy & Environment		D	A		
ACS Award in Pure Chemistry—Symposium in Honor of Danna Freedman		D	A		
Charge & Substrate Transport in 3D Electrocatalytic Materials **		P	D		
Surface Chemistry & Structure in Ligand Protected Nanoparticles		P	D		
Lanthanide & Actinide Chemistry		P	E	P	
Inorganic Nanoscience Award Symposium		P			
Chemistry of Material Lectureship & Best Paper Award			A		
Nanoscience			E	A	A
Solid-State Inorganic Chemistry			E		A
Advances in Catalysis with Ceria & Other Reducible Oxides *(CATL)	D	D	A		
Future Insights into Syngas Conversion Catalysis: Symposium in Honor of Burtron H. Davis *(CATL)	D		D	A	
150 Years of the Periodic Table *(HIST)	P	D			
Understanding the Role of Water in Solid Acid-Base Catalysis *(CATL)				D	

Division of Medicinal Chemistry

M E D I

J. Schwarz, program chair

San Diego Convention Center	S	M	Tu	W	Th
Machine Learning in Medicinal Chemistry	A				
General Orals	D			P	
Disease Modifying Approaches for the Treatment of Neurodegeneration	P				
General Posters	E			E	
Catastrophic Epilepsies: How Medicinal Chemists Can Help		A			
Rising Stars: Women in Medicinal Chemistry **		A			
No Linker Required: Non-PROTAC Degraders		P			
Optimizing Brain Penetration		P			
Sci-Mix		E			

Division of Medicinal Chemistry (continued)

MEDI

J. Schwarz, program chair

San Diego Convention Center	S	M	Tu	W	Th
Drug Discovery beyond the Rule of 5			A		
MEDI Awards Symposium			D		
Privileged & Underprivileged Functional Groups in Drug Design			P		
Emerging Targets for Drug Abuse Therapy				A	
First Time Disclosure of Clinical Candidates				A	
Discovery of Therapeutic Agents for Chronic HBV Infection				P	
Pharma Leaders Symposium				P	
Asymmetric Reactions & Syntheses *(ORGN)	A			PE	A
CH Activation *(ORGN)	A			E	
Measuring Protein Conformations & Folding inside the Cell *(ANYL)	A				
Origins & Future of Metabolite & Small Molecule Identification *(ANYL)	D				
Metal-Mediated Reactions & Syntheses *(ORGN)	P			E	A
Total Synthesis of Complex Molecules *(ORGN)	P			E	A
Biosensing: New Strategies & Latest Developments *(ANYL)	E		P	D	A
Recent Advances in Kinase Drug Discovery: A Joint Venture between Medicinal, Biological & Computational Chemists *(COMP)		D	A		
2019 ACS International Award for Research in Agrochemicals: Advances in the Physiology & Biochemistry of Insect Control *(AGRO)		D	A		
Future of Biomacromolecules at a Crossroads of Polymer Science & Biology *(POLY)		D	E	D	
Recent Developments in Structural Biology *(BIOL)			A		
Global Health: Biology & Chemistry of Waterborne Diseases *(BIOL)			A		
Bioestimulants in Agriculture: Chemistry & Regulatory Aspects *(AGRO)			D	A	
Mass Spectrometry of Biomolecular Assemblies *(ANYL)			D		
ACS Infectious Diseases Young Investigators Award Symposium *(BIOL)			P		
Development of Novel Vector Control Technologies *(AGRO)				D	A
Photoredox Chemistry *(ORGN)				DE	

Division of Medicinal Chemistry (continued)

MEDI

J. Schwarz, program chair

San Diego Convention Center	S	M	Tu	W	Th
Study of Circulating, Cell-Free Biomarkers with Analytical Tools *(ANYL)				P	A
Covalent & Non-covalent Dimers as Therapeutic Agents in Drug Discovery *(BIOL)				P	

Division of Nuclear Chemistry and Technology

NUCL

J. Auxier, program chair

Marriott Marquis San Diego Marina	S	M	Tu	W	Th
Molten Salt Reactor Chemistry **	D	D			
Computational Methods for Lanthanides & Actinides: Theory & Applications **	E	P	A		
Celebration of the Centennial of Rutherford's First Nuclear Reaction			D		
Nuclear Forensics				A	
General Topics in Radiochemistry				P	
Water Behavior in Concentrated Electrolytes **					D
Molten Salt Chemistry *(I&EC)			D	A	

Division of Organic Chemistry

ORGN

S. Silverman, E. McLaughlin, program chairs

San Diego Convention Center	S	M	Tu	W	Th
New Reactions & Methodology	A	A	AE	D	A
Asymmetric Reactions & Syntheses	A			PE	A
CH Activation	A			E	
Organometallics Distinguished Author Award	A				
Copper-Catalyzed C-Element Bond Cross-Coupling with Arylboronic Acids: Twentieth Anniversary of Chan-Lam Reaction Discovery	A				
Young Investigator Symposium	D	A			
Metal-Mediated Reactions & Syntheses	P			E	A
Total Synthesis of Complex Molecules	P			E	A
JOC/OL Lectureship	P				
First-Generation Academic Faculty: Research Talks & Panel Discussion	P				
Chemistry & Water	PE				

Division of Organic Chemistry
(continued)

ORGN

S. Silverman, E. McLaughlin, program chairs

San Diego Convention Center	S	M	Tu	W	Th
Physical Organic Chemistry: Calculations, Mechanisms, Photochemistry & High-Energy Species	E	P			
Biologically Related Molecules & Processes	E		D		
Molecular Recognition & Self-Assembly	E		D		
Flow Chemistry & Continuous Processes	E		P		
Chemistry of Fullerenes, Carbon Nanotubes & Graphene	E				
Materials, Devices & Switches	E	D			
Peptides, Proteins & Amino Acids	E	A			
Organic Chemistry at Self-Assembling & Biological Interfaces		A			
Tetrahedron Prize		D			
Heterocycles & Aromatics		P	E	A	A
Organic Chemistry for Next-Generation Therapeutics		P			
Artificial Intelligence in Organic Synthesis		P			
Sci-Mix		E			
Cope Award Symposium			D		
Young Academic Investigator Symposium			D		
Remarkable Women in Organic Chemistry **			D		
Sustainable Catalysis: Discovery through Application				A	
Technical Achievements in Organic Chemistry				D	
From Lab to Commercial Scale: The Challenges to Scaling Up Flow Chemistry in the Pharmaceutical Industry				D	
Photoredox Chemistry				DE	
Development of New Strategies for the Synthesis & Functionalization of Strained Rings for Applications as Bioisoteres in Biologically Active Compounds				P	
Identification & Design of Catalytic Sites in Electrochemical Reactions *(ANYL)		D	D		
Frontiers in Interdisciplinary Research: New Paradigms for Integration of Theory & Experiment *(BIOL)		D			
Interface between Experiments & Modeling in Unraveling the Physical & Chemical Properties of Charged Droplets *(ANYL)				D	A
Covalent & Non-covalent Dimers as Therapeutic Agents in Drug Discovery *(BIOL)				P	

Division of Physical Chemistry

PHYS

A. McCoy, program chair

Marriott Marquis San Diego Marina	S	M	Tu	W	Th
Hydration from the Gas to the Condensed Phase CW	D	A	A	D	D
Molecular, Electronic & Ionic Transport in Materials for Energy	D	D	A	A	D
Chemistry in Real Space & Time	D	D	A	D	D
Computational Quantum Chemistry: From Promise to Prominence: A Symposium in Honor of Henry F. Schaefer **	D	D	A	D	D
Nanoscale & Molecular Assemblies: Designing Matter to Control Energy Transport **	D	D	A	D	D
Getting to the Bottom: Optical & Electron Imaging of Reactive Chemical Systems **	D	D	A		
At the Interfaces of Experimental & Theoretical Nonlinear Optical Molecular Spectro-imaging	D	P	A	D	A
Water in the Universe CW	P	D		D	D
Physical Chemistry of the Atmosphere CW		D	A	D	
Sci-Mix		E			
PHYS Division Awards			P		
Recent Developments in Biomaterials				P	D
PHYS Poster Session				E	
Water in the Solid State: Reactions & Interactions with Impurities *(ENVR)	D	A	E		
Advances in Catalysis with Ceria & Other Reducible Oxides *(CATL)	D	D	A		
Nanotechnology & Single Cell Analysis in Biology & Medicine *(ANYL)	D	D			
Future Insights into Syngas Conversion Catalysis: Symposium in Honor of Burtron H. Davis *(CATL)	D		D	A	
Solvent Effects in Metal-Catalyzed Reactions *(CATL)	D				
Zarefest: Symposium in Honor of Richard Zare's Love for Science *(ANYL)	DE				
Advances in Fluorescence & Bioluminescence Imaging Probes *(ANYL)	P	D			
Computational Methods for Lanthanides & Actinides: Theory & Applications *(NUCL)	E	P	A		

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**Division of Physical Chemistry
(continued)****PHYS***A. McCoy, program chair*

Marriott Marquis San Diego Marina	S	M	Tu	W	Th
Future of Biomacromolecules at a Crossroads of Polymer Science & Biology *(POLY)		D	E	D	
Frontiers in Interdisciplinary Research: New Paradigms for Integration of Theory & Experiment *(BIOL)		D			
Water, Ice & Clathrate Hydrate Geochemistry: Molecular Structures, Microscopic Properties & Energetics *(GEOC)		P	A		
Engaging Students in Physical Chemistry *(CHED)		P			
Interface between Experiments & Modeling in Unraveling the Physical & Chemical Properties of Charged Droplets *(ANYL)				D	A
Understanding the Role of Water in Solid Acid-Base Catalysis *(CATL)				D	
In Situ & Operando Spectroscopy *(CATL)				P	A
Water Behavior in Concentrated Electrolytes *(NUCL)					D

Division of Polymer Chemistry**POLY***T. Epps, B. Helms, H. Brown, program chairs*

Grand Hyatt San Diego	S	M	Tu	W	Th
General Topics: New Synthesis & Characterization of Polymers	D	A	PE		A
Eco-friendly Polymerization	D	D	AE		
Paul Flory's "Statistical Mechanics of Chain Molecules: The 50th Anniversary of Polymer Chemistry"	D	D			
Polymerization-Induced Nanostructural Transitions <i>CW</i>	D	D			
Characterization of Plastics in Aquatic Environments **	D				
Future of Biomacromolecules at a Crossroads of Polymer Science & Biology ** <i>CW</i>		D	E	D	
Industrial Innovations in Polymer Science **		P			
Sci-Mix		E			
Henkel Outstanding Graduate Research in Polymer Chemistry **			A		
Industrial Polymer Young Scientist Award			A		

**Division of Polymer Chemistry
(continued)****POLY***T. Epps, B. Helms, H. Brown, program chairs*

Grand Hyatt San Diego	S	M	Tu	W	Th
Polymeric Materials for Water Purification ** <i>CW</i>			DE	D	A
Polymers for Defense Applications <i>CW</i>			DE	D	A
Biomacromolecules/Macromolecules Young Investigator Award **			P		
DSM Graduate Student Award				A	
Herman F. Mark Award				A	
Overberger International Prize				P	
Emulsification & Encapsulation by Soft Matter Techniques *(PMSE)	D	A			
Design, Synthesis & Engineering of Polypeptides for Biological & Biomedical Application *(PMSE)	P	D	D	D	
2019 ACS International Award for Research in Agrochemicals: Advances in the Physiology & Biochemistry of Insect Control *(AGRO)		D	A		
Unique & Complex Polymer Architectures *(PMSE)		D	D	A	
Toughening of Networks & Gels through Molecular Design *(PMSE)		P	D		
Plastics in Aquatic Environments, Part II: Transport, Fate & Global Impacts *(ENVR)		P	E		
Advances in Bioconjugate Materials for Biomedical Applications *(PMSE)			P		
PMSE/POLY Poster Session *(PMSE)			E		
Materials Advances in Nanocellulose Research for Engineered Functionality *(CELL)				A	A
PMSE/POLY Plenary Lecture & Awards Symposium *(PMSE)				E	

**Division of Polymeric Materials:
Science and Engineering****PMSE***J. Schaefer, T. Bunning, C. Snyder, program chairs*

Grand Hyatt San Diego	S	M	Tu	W	Th
General Papers/New Concepts in Polymeric Materials	A			D	A
Eastman Chemical Student Award	A				
Emulsification & Encapsulation by Soft Matter Techniques **	D	A			
PMSE Future Faculty	D	A			

Division of Polymeric Materials: Science and Engineering (continued)

PMSE
J. Schaefer, T. Bunning, C. Snyder, program chairs

Grand Hyatt San Diego	S	M	Tu	W	Th
Continuous Flow Chemistry in Polymer Science	D	A			
Novel Polymeric Materials & Polymer-Based Processes for Energy-Efficient Treatment of Water & Resource Recovery **	D	D	D	D	A
Roy W. Tess Award: Symposium in Honor of Raymond H. Fernando	D				
Design, Synthesis & Engineering of Polypeptides for Biological & Biomedical Application **	P	D	D	D	
Polymer Science & Engineering in Microelectronics	P	D			
Unique & Complex Polymer Architectures **		D	D	A	
PMSE Young Investigator Symposium		P	D		
Toughening of Networks & Gels through Molecular Design **		P	D		
Journal of Polymer Science Innovation Award: Symposium in Honor of Patricia Dankers **		P			
Sci-Mix		E			
Bioconjugate Chemistry & Lectureship Award: Symposium in Honor of Heather Maynard			A		
Innovations in Drug Delivery Systems: Recent Breakthroughs & New Approaches in Formulation, Drug Delivery Mechanisms & Advanced Delivery Systems			D	D	
Advances in Bioconjugate Materials for Biomedical Applications **			P		
PMSE/POLY Poster Session **			E		
PMSE/POLY Plenary Lecture & Awards Symposium **				E	
Characterization of Plastics in Aquatic Environments *(POLY)	D				
Future of Biomacromolecules at a Crossroads of Polymer Science & Biology *(POLY)		D	E	D	
Henkel Outstanding Graduate Research in Polymer Chemistry *(POLY)			A		
Polymeric Materials for Water Purification *(POLY)			DE	D	A
Biomacromolecules/Macromolecules Young Investigator Award *(POLY)			P		
Materials Advances in Nanocellulose Research for Engineered Functionality *(CELL)				A	A

Division of Professional Relations

PROF
R. D. Libby, program chair

Hilton San Diego Bayfront	S	M	Tu	W	Th
When Chemists Go to Washington: 45 Years of the ACS Public Policy Fellowships **		A			
Sci-Mix		E			
Chemical Angel Network *(BMGT)	P				
Division of Chemical Health & Safety Awards *(CHAS)	P				
Getting Your First Industrial Job *(YCC)		A			
2019 ACS International Award for Research in Agrochemicals: Advances in the Physiology & Biochemistry of Insect Control *(AGRO)		D	A		
Women Make COMP *(COMP)		D			
State of the Art: Diversity & Inclusion in Chemistry Education *(CHED)			A		
Herman Skolnik Award Symposium Honoring Dr. Kimito Funatsu *(CINF)			A		
ACS-AGFD Young Scientist Award *(AGFD)			A		
Beyond the Bench: Non-traditional Careers in Chemistry *(CHAL)			A		
AGFD Award Symposium Honoring Dr. Fidel Toldra *(AGFD)			P		
Elucidating Reaction Mechanisms with Computational & Experimental Chemistry *(CMA)			P		

Division of Small Chemical Businesses

SCHB
J. Sabol, program chair

Hilton San Diego Bayfront	S	M	Tu	W	Th
Chemical Business Poster Session	E				
Liquid Assets: The Business of Water ** CW		A			
Holistic Approaches to Sustainability in Chemical Businesses **		P			
Sci-Mix		E			
Academic Entrepreneurship			A		

*Cosponsored symposium with primary organizer shown in parentheses; located with primary organizer.

**Primary organizer of a cosponsored symposium.

CW: Chemistry & Water

A = AM AE = AM/EVE P = PM D = AM/PM

E = EVE DE = AM/PM/EVE PE = PM/EVE

Division of Small Chemical Businesses (continued)

SCHB

J. Sabol, program chair

Hilton San Diego Bayfront	S	M	Tu	W	Th
Gerry Meyer: The First 100 Years **			D		
Chemical Angel Network *(BMGT)	P				
When Chemists Go to Washington: 45 Years of the ACS Public Policy Fellowships *(PROF)		A			

Committee on Chemical Safety

CCS

R. Stuart, program chair

Located with Primary Sponsor	S	M	Tu	W	Th
Academic Lab Safety *(CHED)		D			
Connecting Safety, Education, Training & Productivity in Analytical Laboratories *(ANYL)			A		
Cannabis & Water: Merging the Insoluble *(CHAS)			P		
Chemistry of Disasters *(PRES)			P		
Graduate Students Perspective on Safety Education *(CHAS)				A	
Cannabis & Hemp Analytical Science: The Glass Is (More Than) Half-Full *(CHAS)				P	

Committee on Environmental Improvement

CEI

C. Middlecamp, program chair

Located with Primary Sponsor	S	M	Tu	W	Th
Chemists without Borders: Celebrating 15 Years of Scientific/Humanitarian Collaboration *(MPPG)	A				
Characterization of Plastics in Aquatic Environments *(POLY)	D				
Chemistry & Water: Opening Session *(MPPG)	P				
Current Advances in Water Analysis: From Citizen Scientists to Laboratory Breakthroughs *(ENVR)		A			
Green & Sustainable Chemistry Theory & Practice: Chemistry & Water *(CHED)		A			
Nanomaterials & Sustainability *(ENVR)		P	DE		
Green Chemistry & the Environment *(ENVR)		P	E		

Committee on Environmental Improvement (continued)

CEI

C. Middlecamp, program chair

Located with Primary Sponsor	S	M	Tu	W	Th
Holistic Approaches to Sustainability in Chemical Businesses *(SCHB)		P			
State of the Art: Diversity & Inclusion in Chemistry Education *(CHED)			A		
Going with the Flow of Water: Career Paths & Journeys *(YCC)			A		
Environmental Chemistry through the Transformation Power of Film: An Environmental Film Competition of CEI & ENVR *(MPPG)			P		
Safeguarding Water Quality in a Climate of Change *(ENVR)			E	D	A

International Activities Committee

IAC

J. Breffke, program chair

Located with Primary Sponsor	S	M	Tu	W	Th
Our Element(s): Younger Chemists from around the World *(YCC)	P				

Committee on Minority Affairs

CMA

R. Joseph, program chair

Hilton San Diego Bayfront	S	M	Tu	W	Th
Elucidating Reaction Mechanisms with Computational & Experimental Chemistry **			P		
Water, Health & Environmental Justice in Marginalized Communities *(ENVR)	D		E		

Committee on Nomenclature, Terminology & Symbols

NTS

M. M. Rogers, program chair

Located with Primary Sponsor	S	M	Tu	W	Th
Chemical Nomenclature & Representation: Past, Present & Future *(CINF)	P	D			

Committee on Patents and Related Matters**CPRM***K. B. Drake, program chair*

Located with Primary Sponsor	S	M	Tu	W	Th
Nothing New under the Sun: The Practical Challenges of Patent Novelty Searching *(CINF)	A				

Committee on Public Relations and Communications**CPRC***K. B. Drake, program chair*

Located with Primary Sponsor	S	M	Tu	W	Th
Celebrating Sir Martyn Poliakoff: From Blue Matrix to Green Chemistry & Everything in Between *(MPPG)	P				

Committee on Science**COMSCI***M. Fisher, program chair*

Omni San Diego Hotel	S	M	Tu	W	Th
Water for Two Worlds ** <i>CW</i>			D		
Immersive Virtual Reality for Molecular Design *(COMP)	A				

Society Committee on Education**SOCED***V. Goss, program chair*

Marriott Marquis San Diego Marina	S	M	Tu	W	Th
Ocean Science: Research Reflections at the Marina **		A			
Eminent Scientist Lecture with Dr. Marya Lieberman **		P			

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**Primary organizer of a cosponsored symposium.

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E = EVE DE = AM/PM/EVE PE = PM/EVE

Committee on Technician Affairs**CTA***C. Libby, program chair*

Located with Primary Sponsor	S	M	Tu	W	Th
I&EC General Papers *(I&EC)	D				
I&EC General Posters *(I&EC)			E		

Women Chemists Committee**WCC***R. Cole, program chair*

Hilton San Diego Bayfront	S	M	Tu	W	Th
Merck Research Award Symposium	A				
Eli Lilly: Supporting Women in Chemistry			P		
Surfaces & Interfaces in the Environment: Symposium in Honor of Vicki Grassian *(COLL)	E	D		D	
Rising Stars: Women in Medicinal Chemistry *(MEDI)		A			
2019 ACS Catalysis Lectureship for the Advancement of Catalytic Science: Symposium in Honor of Maria Flytzani-Stephanopoulos & Charles Sykes *(CATL)		D			
Women Make COMP *(COMP)		D			
Journal of Polymer Science Innovation Award: Symposium in Honor of Patricia Dankers *(PMSE)		P			
Accelerating Scientific Breakthroughs at the Energy-Water Nexus in Engineered & Natural Environment *(ENFL)			A		
Remarkable Women in Organic Chemistry *(ORGN)			D		

Younger Chemists Committee**YCC***D. Williams, M. Brann, program chairs*

Hilton San Diego Bayfront	S	M	Tu	W	Th
Our Element(s): Younger Chemists from around the World **	P				
Getting Your First Industrial Job **		A			
Going with the Flow of Water: Career Paths & Journeys ** <i>CW</i>			A		
The Chemistry of Aged Beer & Spirits *(AGFD)		A			
Beyond the Bench: Non-traditional Careers in Chemistry *(CHAL)			A		