

# GENERAL MEETING INFORMATION

**YOUR MEETING REGISTRATION** entitles you to a wide range of programming, including 1,092 scientific sessions, invited symposia, poster sessions, special lectures and events, award presentations, workshops, and the exposition. Interact with chemical scientists at social events, networking opportunities, exhibitor sessions, and educational activities. Certain workshops, short courses, and ticketed events require a separate entry fee, as indicated in this program.

**EARLY REGISTRATION:**  
JAN. 15–FEB. 23

**STANDARD REGISTRATION:**  
FEB. 23–MARCH 26

**ON-SITE ATTENDEE REGISTRATION:**  
Salt Palace Convention Center, Hall A

## REGISTRATION

**ALL ATTENDEES**, including speakers and poster presenters, must register for the meeting in order to participate in the technical sessions. Sponsored speakers should contact their symposium organizer or division program chair to clarify the terms of their invitation and to determine who will complete the speaker's registration. Attendees must display their badge at all times for admission to all official ACS sessions and events.

**Early Registration.** Attendees with U.S. and Canadian addresses who register prior to Feb. 23 will receive their badge credentials by mail before the meeting. International registrants must pick up their badge credentials at ACS Attendee Registration.

**Standard & On-Site Registration.** Attendees who register after Feb. 23 must pick up their badge credentials on-site.

**Registration Changes.** Attendees can modify their existing registration or generate a receipt from the registration website by following the instructions in their confirmation message. Attendees can also contact the ACS National Meeting Registration Center before March 21 or update their registration on-site at ACS Attendee Registration. Bring your confirmation and/

or badge credentials with you to the meeting for faster processing.

**REGISTRATION METHODS.** All registrants will receive a confirmation via the original method of registration.

**Internet.** Register online at [www.acs.org/saltlakecity2009](http://www.acs.org/saltlakecity2009) before March 26. A valid credit card is required to register online, and online registrations are real-time transactions.

**Telephone.** Call the ACS National Meeting Registration Center by March 21 at (800) 251-8629 (U.S./Canada only) or (508) 743-0192 (international), Monday to Friday, 9 AM to 5 PM EST.

**Fax/Mail.** Submit the registration form on page 62 by fax: (508) 759-4552 or mail: ACS Registration, c/o CDS, 107 Waterhouse Rd., Bourne, MA 02532. Faxed or mailed registrations will be accepted until Feb. 23 only.

**On-site.** Register during the meeting at ACS Attendee Registration at standard registration rates. ACS Attendee Registration will be on-site on Saturday, 3 to 6 PM; Sunday, 7:30 AM to 8:30 PM; Monday, 7:30 AM to 10 PM; Tuesday, 7:30 AM to 7 PM; Wednesday, 7:30 AM to 6 PM; and Thursday, 7:30 AM to 1 PM.

**REGISTRATION PAYMENTS.** Registration fees can be paid by check, money order, credit card (American Express, MasterCard, or VISA), or bank wire transfer. Make checks payable in U.S. dollars to the American Chemical Society and include a completed registration form with each payment. Registration fees should not be combined with membership dues. Purchase orders and training requests are not accepted. For wire transfer payments, contact the ACS Finance Department at (202) 872-6106 or e-mail: [bankwires@acs.org](mailto:bankwires@acs.org). **Registration forms received without payment will not be processed.**

**REGISTRATION ASSISTANCE.** The ACS National Meeting Registration Center will be available from 9 AM to 5 PM EST by telephone, fax, mail, or e-mail. Customer service representatives can be reached at (800) 251-8629 (U.S./Canada only); (508) 743-0192 (international); fax (509) 759-4552; e-mail: [acs@cdsreg.com](mailto:acs@cdsreg.com); or ACS Registration, c/o CDS, 107 Waterhouse Rd., Bourne, MA 02532.

**CANCELLATION/REFUND POLICY.** All cancellations and refund requests must be submitted in writing by March 18 to ACS

Registration Cancellation, c/o CDS, 107 Waterhouse Rd., Bourne, MA 02532 or fax (508) 759-4552 (save your fax confirmation sheet). Read the ACS Registration Cancellation Policy at [www.acs.org/meetings/national](http://www.acs.org/meetings/national) for more information.

**Registration Cancellations/Refunds.** Registration cancellations received by March 18 entitle the registrant to a full refund less a \$50 administrative fee. Refund requests made after March 18 will not be honored. Your registration badge credentials and a copy of your registration confirmation must be attached to your request.

**Social Event Ticket Cancellations/Refunds.** Social event cancellations received by March 18 entitle the registrant to a full refund. Refund requests made after March 18 will not be honored. Event tickets and a copy of your registration confirmation must be attached to your request.

REGISTRATION CATEGORY	FEE	
	EARLY BY FEB. 23	STANDARD AFTER FEB. 23
<b>MEMBERS</b>		
ACS member or society affiliate	\$340	\$410
Postdoctoral member	340	410
Emeritus or retired member	170	205
50-year member	No Fee	No Fee
Unemployed member (Dues waiver required)	No Fee	No Fee
Precollege teacher	90	90
Graduate student, less than postdoctoral	170	170
ACS student affiliate	90	90
One-day registrant	170	205
<b>NONMEMBERS</b>		
Chemical scientist	\$600	\$710
Postdoctoral scientist	600	710
Visitor: Nonchemical scientist or chemical technician	340	410
Precollege teacher	90	90
Graduate student, less than postdoctoral	340	340
One-day registrant	340	410
Guest of registrant <sup>a</sup>	40	40
Undergraduate student	175	175
<b>EXPOSITION-ONLY VISITORS</b>		
Adult, exposition only	\$40	\$40
Student, exposition only	15	15

<sup>a</sup> Registration is restricted to a spouse or family member of registered attendee having no affiliation with the field of chemical science and who is not eligible to become an ACS member. Only one guest registration is allowed per registering attendee, and the guest registration must be completed and paid by the registering attendee at time of original registration.

**Abstract Cancellations/Refunds.** Abstract CD-ROMs and their shipping costs are nonrefundable.

**MEMBER REGISTRATION.** You must enter a valid ACS Member Number during registration in order to register as a member and receive your ACS member discount on registration fees. Your registration options will automatically appear in accordance with your current membership status in the ACS membership database. Your ACS membership number is on your ACS membership card or your *Chemical & Engineering News* address label. Address questions about your membership status to ACS Member Services at (800) 333-9511 (U.S. only); (614) 447-3776 (outside the U.S.); or e-mail: [service@acs.org](mailto:service@acs.org).

Join ACS now through the online ACS membership application at [www.acs.org/join](http://www.acs.org/join) or by contacting ACS Member Services to receive your new ACS Member Number and then registering for the meeting at your member rate. Contact ACS Member Services at (800) 333-9511 (U.S. only); (614) 447-3776 (outside the U.S.); or e-mail: [service@acs.org](mailto:service@acs.org).

**PRESS/MEDIA REGISTRATION.** Press registration is complimentary for credentialed members of the news media (restricted to reporters and editors working full-time for print or broadcast news) who are approved by the ACS Office of Communications. For more information, visit [www.acs.org/pressroom](http://www.acs.org/pressroom).

**EXHIBITOR REGISTRATION.** Exhibitor registration is handled exclusively through ACS National Expositions at [www.acs.org/expositions](http://www.acs.org/expositions).

**EXPO-ONLY REGISTRATION.** Individuals who want to visit the exposition without registering for the meeting's technical sessions can register for an Expo-Only adult badge for \$40 or \$15 for students with school identification. Register online or in person at ACS Attendee Registration.

**MEETING INFO ON THE WEB**  
Registration, housing, technical programming, special events, participating exhibitors, and other meeting details are available at [www.acs.org/saltlakecity2009](http://www.acs.org/saltlakecity2009).

**CAREER FAIR EMPLOYER REGISTRATION.** ACS Career Fair Employer registration is handled exclusively through ACS Careers at [www.acs.org/careers](http://www.acs.org/careers).

## TICKETED EVENTS

**MANY SOCIAL** and special events will be held by a variety of event organizers during the meeting. Event participation is open to all interested registrants. View an updated listing of social and special events at [www.acs.org/saltlakecity2009](http://www.acs.org/saltlakecity2009).

The following social and special events require a ticket (event number in red), which can be purchased through Attendee Registration between Jan. 12 and March 26 (or up to 24 hours prior to the event, if available). All tickets are sold on a first-come, first-served basis. Cancellations or refund requests must be made by March 18.

### SUNDAY, MARCH 22

**TECH NCTA Award Dinner/SE-01/\$52**  
6 to 9:30 PM, Rodizio Grill, 600 South 700 East

**YCC Reception & '80s Dance Party/SE-23/Free**  
7 to 9 PM, Salt Palace Convention Center

### MONDAY, MARCH 23

**Women in Industry Breakfast/SE-02/\$26 (regular)/SE-03/\$13 (student)**  
7:30 to 9 AM, Salt Palace Convention Center

**CMA Luncheon/Reception/SE-04/\$40**  
11:30 AM to 1:30 PM, Grand America

**CHAL Luncheon/SE-05/\$40**  
Noon to 1:30 PM, Marriott Downtown

**Corporation Associates Awards Luncheon/SE-06/\$50**  
Noon to 1:30 PM, Hotel Monaco

**Purdue Department of Chemistry Alumni Lunch/SE-07/\$10**  
Noon to 1:30 PM, Marriott Downtown

**COMSCI Finding a Home at NSF for Your Chemical Biology Proposal/SE-08/\$10**  
Noon to 1:30 PM, Salt Palace Convention Center

**Chinese American Chemical Society/SE-09/\$25**  
5:30 to 9 PM, Golden Dragon Chinese Restaurant, 1518 South Main St.

**CARB Claude S. Hudson Award Banquet in Honor of Professor Peter H. Seeberger/SE-10/\$50**  
6 to 10 PM, Alta Club, 100 East South Temple

### TUESDAY, MARCH 24

**University of Minnesota Alumni & Friends Breakfast/SE-11/\$10**  
7:30 to 9 AM, Salt Palace Convention Center

**Silver Circle & Retiree Breakfast/SE-12/\$12**  
7:30 to 9:30 AM, Grand America

**TECH/CTA Luncheon/SE-13/\$20**  
11:30 AM to 1:30 PM, Marriott Downtown

**MEDI Lunch & Learn/SE-14/\$20**  
11:30 AM to 2:30 PM, Salt Palace Convention Center

**CINF Lunch/SE-15/\$15**  
Noon to 1:30 PM, Salt Palace Convention Center

**COLL Luncheon/SE-18/\$30**  
Noon to 1:30 PM, Salt Palace Convention Center

**WCC Luncheon/SE-16/\$36 (regular), SE-17/\$18 (student)**  
Noon to 1:30 PM, Salt Palace Convention Center

**ENVR Dinner/SE-20/\$90**  
6 to 7 PM, The New Yorker, 60 West Market St.

**FUEL/PETR Joint Dinner/SE-21/\$60**  
6 to 9 PM, Ruth's Chris Steak House, 134 West Pierpont Ave.

**2009 ACS Awards Banquet Ceremony & General Meeting of the Society/SE-19/\$130**  
6:30 to 10 PM, Grand America Hotel, Imperial Ballroom, 550 South Main St. Dinner begins at 7:30 PM; the general meeting begins at 8:30 PM. M. Frederick Hawthorne will deliver the Priestley Medal Address during the general meeting.

**CELL Anselme Payen Award Banquet/SE-22/\$50**  
6:30 to 10:30 PM, Spencer's, Hilton Hotel

## ACCOMMODATIONS

**RESERVE YOUR HOTEL ROOM** for the meeting through the Housing Connection by Feb. 25. Don't wait; hotel rooms at our special rates sell out quickly. A listing of the

# PRELIMINARY PROGRAM

## ADVANCE REGISTRATION FORM

AMERICAN CHEMICAL SOCIETY  
237<sup>TH</sup> NATIONAL MEETING & EXPOSITION  
MARCH 22 - 26, 2009  
SALT LAKE CITY, UT

### 4 ways to register: (see Registration Procedures)

**Online:** <http://www.acs.org/meetings/national> (credit cards only).  
**Phone:** 508-743-0192 or 800-251-8629, Monday - Friday, 9 AM to 5 PM EST (credit cards only) by March 26, 2009.  
**Mail:** completed form with payment to: ACS Registration c/o CDS, 107 Waterhouse Road, Bourne, MA 02532 by February 23, 2009.  
**Fax:** completed form with payment to: 508-759-4552 (credit cards only) by March 26, 2009.



### REGISTRANT INFORMATION

Dr.     Prof.     Mr.     Ms.     Mrs.    ACS Membership # \_\_\_\_\_ (Required for member discount)  
 First Name \_\_\_\_\_ Last Name \_\_\_\_\_ Title \_\_\_\_\_  
 Primary Business Address \_\_\_\_\_  
 Company/Institution/Agency \_\_\_\_\_  
 Street Address \_\_\_\_\_  
 City \_\_\_\_\_ State/Province \_\_\_\_\_ Zip/Postal Code \_\_\_\_\_ Country \_\_\_\_\_  
 Phone \_\_\_\_\_ Ext. \_\_\_\_\_ Fax \_\_\_\_\_ E-mail Address \_\_\_\_\_  
 Mailing Address \_\_\_\_\_ [ ] Same as primary address  
 City \_\_\_\_\_ State/Province \_\_\_\_\_ Zip/Postal Code \_\_\_\_\_ Country \_\_\_\_\_

### DEMOGRAPHICS

- How would you like to receive your meeting and exhibitor promotions before and after the meeting? (check all that apply)  
 Mail     E-mail     Do not contact me for non-official purposes
- Do you require special services or auxiliary aids in order to participate in the meeting?  Yes     No   
 Describe \_\_\_\_\_
- Professional Discipline (check one)  
 (a) Academia     (b) Government     (c) Industry     (d) Student  
 (e) Other \_\_\_\_\_
- Highest Degree Received (check one)  
 (A) A.S./A.A.S. (Associate Degree)     (B) B.S./B.A. (Baccalaureate Degree)  
 (C) M.S.     (D) Ph.D.     (E) Still in school (degree not completed)  
 (F) Other \_\_\_\_\_
- Professional Concentration (check all that apply)
 

<input type="checkbox"/> (A) Aerospace/Transportation	<input type="checkbox"/> (S) Inorganic
<input type="checkbox"/> (B) Agriculture & Food	<input type="checkbox"/> (T) Law/Legal Affairs
<input type="checkbox"/> (C) Analytical	<input type="checkbox"/> (U) Lubricants/Oils
<input type="checkbox"/> (D) Biochemistry	<input type="checkbox"/> (V) Marketing/Sales/Business
<input type="checkbox"/> (E) Biotechnology	<input type="checkbox"/> (W) Materials
<input type="checkbox"/> (F) Chemical Education	<input type="checkbox"/> (X) Metals/Metal Products
<input type="checkbox"/> (G) Chemical Information	<input type="checkbox"/> (Y) Nuclear
<input type="checkbox"/> (H) Clinical/Diagnostic	<input type="checkbox"/> (Z) Organic
<input type="checkbox"/> (I) Colloids & Surfaces	<input type="checkbox"/> (AA) Paint/Coatings
<input type="checkbox"/> (J) Combinatorial Chemistry	<input type="checkbox"/> (BB) Personal Care/Cosmetics
<input type="checkbox"/> (K) Computing/Molecular Modeling	<input type="checkbox"/> (CC) Pharmaceutical/Medicinal
<input type="checkbox"/> (L) Electronics/Semiconductors	<input type="checkbox"/> (DD) Physical
<input type="checkbox"/> (M) Energy/Fuels	<input type="checkbox"/> (EE) Polymers/Plastics
<input type="checkbox"/> (N) Environmental	<input type="checkbox"/> (FF) Pulp/Paper/Wood
<input type="checkbox"/> (O) Forensics	<input type="checkbox"/> (GG) Rubber
<input type="checkbox"/> (P) Geochemistry	<input type="checkbox"/> (HH) Soap/Detergent/Cleaners
<input type="checkbox"/> (Q) Glass/Ceramics/Composites	<input type="checkbox"/> (II) Textiles/Fiber
<input type="checkbox"/> (R) Health & Safety	<input type="checkbox"/> (JJ) Toxicology
<input type="checkbox"/> (KK) Other _____	
- Product Interest (check all that apply)
 

<input type="checkbox"/> (A) Academic & Educational Services	<input type="checkbox"/> (G) Laboratory Equipment & Services
<input type="checkbox"/> (B) Accessible/Barrier-Free Products	<input type="checkbox"/> (H) R&D and Manufacturing Services
<input type="checkbox"/> (C) Analytical Research	<input type="checkbox"/> (I) Sci. Computing & Data Management
<input type="checkbox"/> (D) Business Management & Services	<input type="checkbox"/> (J) Technical Literature, Websites & Databases
<input type="checkbox"/> (E) Career Development & Training	<input type="checkbox"/> (K) Testing & Measuring Instrumentation
<input type="checkbox"/> (F) Chemicals, Reagents & Raw Materials	
<input type="checkbox"/> (L) Other _____	
- Is this your first ACS National Meeting?  Yes     No
- Where are you staying (or planning to stay) during the meeting?  
 Hotel \_\_\_\_\_ Other \_\_\_\_\_

### REGISTRATION CATEGORIES & FEES

ACS Members	EARLY thru Feb 23	STANDARD after Feb 23
<input type="checkbox"/> ACS member or Society affiliate	\$340	\$410
<input type="checkbox"/> Postdoctoral member	\$340	\$410
<input type="checkbox"/> Emeritus or retired member	\$170	\$205
<input type="checkbox"/> 50-year member	No Fee	No Fee
<input type="checkbox"/> Unemployed member <small>(dues waiver required)</small>	No Fee	No Fee
<input type="checkbox"/> Graduate student member	\$170	\$170
<input type="checkbox"/> Precollege teacher member	\$90	\$90
<input type="checkbox"/> One day member registrant	\$170	\$205
	<input type="checkbox"/> Su <input type="checkbox"/> M <input type="checkbox"/> Tu <input type="checkbox"/> W <input type="checkbox"/> Th	

#### Non-Members

<input type="checkbox"/> Chemical scientist	\$600	\$720
<input type="checkbox"/> Postdoctoral scientist	\$600	\$720
<input type="checkbox"/> Visitor: Non-chemical scientist	\$340	\$410
<input type="checkbox"/> Visitor: Chemical technician	\$340	\$410
<input type="checkbox"/> Graduate Student	\$340	\$340
<input type="checkbox"/> Pre-College Teacher	\$90	\$90
<input type="checkbox"/> One-day registrant	\$340	\$410
	<input type="checkbox"/> Su <input type="checkbox"/> M <input type="checkbox"/> Tu <input type="checkbox"/> W <input type="checkbox"/> Th	

Guest of Registrant (1)    \$40    \$40  
(1) Guest Registration - A Spouse or family member of the registering attendee having no affiliation with the field of chemical science and is not eligible to become a member of the ACS. Only one guest registration allowed per full or one-day registration.

Guest Name \_\_\_\_\_

#### Undergraduate Students

<input type="checkbox"/> ACS Student affiliate	\$90	\$90
<input type="checkbox"/> Visitor: Undergraduate student	\$170	\$170

#### Exposition Visitors

<input type="checkbox"/> Adult	\$40	\$40
<input type="checkbox"/> Student	\$15	\$15

9. Registration Subtotal    \$ \_\_\_\_\_

### PAYMENT

You agree to accept all terms and conditions by submitting this registration to participate in the ACS National Meeting & Exposition.

Paid by:  Check - (made payable in US dollars to American Chemical Society)

Wire Transfer - Reference Number \_\_\_\_\_

Bank remitting payment \_\_\_\_\_  
 (Must include all applicable bank wire fees)

Credit Card Type:     VISA     MasterCard     American Express     Discover

By signing below, the credit card holder agrees to pay the charges listed above in order to participate in the 237<sup>TH</sup> ACS National Meeting in Salt Lake City, UT.

Credit Card Number \_\_\_\_\_ Exp Date \_\_\_\_\_ Security Code \_\_\_\_\_

Credit Card Billing Address & Zip \_\_\_\_\_

Card Holder Name \_\_\_\_\_

Card Holder Signature \_\_\_\_\_

### SOCIAL EVENT FEES

Event No.	Qty	\$/Ticket	\$ TOTAL
10. Social Event Subtotal			\$ _____

### ABSTRACT FEES

	ACS MEMBER	NON-MEMBER
CD-Rom (pick up)	_____ @ \$65 ea.	_____ @ \$90 ea.
CD-Rom (ship)	_____ @ \$73 ea.	_____ @ \$98 ea.

11. Abstract Subtotal    \$ \_\_\_\_\_

Abstracts ordered by February 23, 2009, will be shipped for delivery prior to the meeting. All other abstracts will be available for pick-up onsite at Attendee Registration. ACS will not be responsible for abstracts not picked up during the meeting. Abstract CD-ROMs will only be shipped to U.S. and Canadian street addresses (no P.O. boxes)

### GRAND TOTAL

12. Grand Total of 9-11    \$ \_\_\_\_\_

**Registration Procedures** US and Canadian attendees who register by February 23, 2009, will receive their registration credentials and tickets via mail prior to the meeting. Unless an international attendee has provided a US or Canadian mailing address on their registration form, their credentials must be picked-up onsite at the Attendee Registration. After February 23, 2009, registrations will continue to be accepted at the Standard rate on-line and by phone or fax (credit card payment only) until March 26, 2009. Mailed registrations will not be accepted after February 23, 2009.

**Registration Cancellation/Refund Policy** By adhering to the following cancellation procedure, cancellations received by March 18, 2009, are entitled to a full refund, less a \$50 administrative fee. Registrants must return a copy of the registration confirmation along with the original registration credentials before payment will be posted to the account. All refunds are issued via the same method used for payment. Refunds are processed within 30 days after the conclusion of the meeting.

- Submit your written cancellation to the ACS Registration Customer Service Center by mail, fax or e-mail by March 18, 2009.
- Return your unused registration credentials and/or social event tickets to ACS by March 18, 2009. If you cancel before receiving your registration credentials, contact the ACS Registration Customer Service Center for further instructions.
- Refund requests made after March 18, 2009, will not be honored.
- No cancellation or refund for Abstract CD-ROMs and/or postage charges for mailing will be made.

Recording meetings events through audiovisual or photographic methods is prohibited at all official ACS events without written consent from ACS. The use of cameras is not permitted during technical sessions. Attendees or exhibitors may photograph their own activity, but permission must be obtained from all involved parties before photographs can be taken of other people or displays at the meeting or exposition. Press representatives must receive media credentials and recording permission from the ACS Office of Communication in the Press Room.



official ACS hotels with their guaranteed ACS rates and amenities is on page 64. All attendees who reserve their room through the Housing Connection are automatically entered in the **ACS HOUSING DRAWING** to win substantial prizes (see ad on page 69 for details).

#### **Standard Housing through Feb. 25.**

Reserve your hotel room through the Housing Connection to receive guaranteed ACS rates via Internet, fax, mail, or telephone by 6 PM MST on Feb. 25. Attendees can modify or cancel their existing reservations without penalty through the Housing Connection prior to Feb. 25. After Feb. 25, attendees may incur a \$25 cancellation fee that will be charged directly by the hotel. Hotels do not have individual reservations or credit card guarantees during this time.

**Late Housing.** Some hotels may have rooms available after Feb. 25; a listing of these hotels will be posted on the ACS website. ACS rates and or availability cannot be guaranteed at this time. Please see the website ([www.acs.org/saltlakecity2009](http://www.acs.org/saltlakecity2009)) for further details on late housing.

**On-Site Housing.** During the meeting, an on-site housing desk will be available at the Salt Palace Convention Center, Hall A, to assist attendees with last-minute housing changes or needs.

**RESERVATION METHODS.** All registrants will receive a housing confirmation via the original method of reservation. Review this document carefully for accuracy. We strongly recommend that you bring your housing confirmation with you to the meeting. If you lose or do not receive your confirmation, you can obtain another copy by contacting the Housing Connection. You will not receive a separate confirmation from the hotel.

Published ACS rates apply to hotel stays between March 18 and 28. You must reserve additional nights directly with your hotel in order to extend your stay beyond these dates.

**Internet.** Reserve online at [www.acs.org/saltlakecity2009](http://www.acs.org/saltlakecity2009). Online reservations require a valid credit card, and you will receive a confirmation to your e-mail address within 24 hours.

**Telephone.** Call the Housing Connection at (866) 847-8570 Monday through Friday, 7 AM to 6 PM MST. Telephone reservations require a valid credit card, and you will receive a confirmation to your e-mail address within 24 hours.

**Fax/Mail.** Fax the ACS Housing Form (available in PDF format online) with your valid credit card guarantee to (801) 355-0250. Mail forms with valid credit card guarantee or check for one night's room and tax made payable to ACS Housing, c/o Housing Connection, 175 South West Temple, Suite 140, Salt Lake City, UT 84101. Faxed or mailed reservations will be processed on a first-come, first-served basis and require 10 to 14 days to be confirmed. If your requested hotel is no longer available, we will attempt to honor your indicated preference for cost and location.

**RESERVATION PAYMENTS/GUARANTEES.** Hotel reservations can be guaranteed by credit card (American Express, MasterCard, or VISA), check, or money order. Make checks payable in U.S. dollars to the Housing Connection and include a completed ACS Housing Form with each mailed payment. Housing fees should not be combined with any other payment (such as registration or membership dues). **Reservations received without payment will not be processed.**

Although a valid credit card or check deposit for one night's room and tax is required to confirm a reservation, a payment will not be charged by the Housing Connection. The credit card information or check deposit will be forwarded with your individual reservation to your hotel on Feb. 25 after 5 PM MST. Hotels may elect to charge a deposit of one night's room and tax to your credit card prior to your arrival. You will need to handle all payment arrangements directly with your assigned hotel. All hotel rooms are subject to 12.67% room and occupancy tax (subject to change).

**ACCOMMODATIONS FOR GUESTS WITH DISABILITIES.** If you require special hotel accommodations because of a disability, please indicate your requirements when making your reservation. Be sure to reconfirm any special room arrangements directly with your hotel.

**SUITES.** Send your suite requests by e-mail to [thc@housingregistration.com](mailto:thc@housingregistration.com) (Attn.: Katie Nickel). They will attempt to find you a suite at an official ACS property that fits your needs.

**ECONOMICAL ALTERNATIVES.** The following hotels are not part of the official ACS housing. Make your reservations directly with these properties and ask for the

listed ACS rate. These properties are not included on the ACS shuttle route.

**Chase Suites Hotel,** 765 East 400 South, Salt Lake City, UT 84102 (one- and two-bedroom suites), (888) 433-6071 or (801) 532-5511; fax (801) 531-0416; ACS rate: \$139 single occupancy, \$179 double occupancy.

**Howard Johnson Express,** 121 North 300 West, Salt Lake City, UT 84102, (801) 521-3450; fax: (801) 521-3452; ACS rate: \$89 single/double occupancy.

**Super 8 Salt Lake City Downtown,** 616 South 200 West, Salt Lake City, UT 84102, (801) 712-4931; fax: (801) 355-7735; ACS rate: \$58.88 single occupancy, \$68.88 double occupancy.

**KEEP YOUR MEETING COSTS AFFORDABLE.** Attendee support of the official hotels allows ACS to utilize meeting space at a discount and to keep registration fees to a minimum. Stay in an official hotel whenever possible, and reserve your room through the Housing Connection at [www.acs.org/saltlakecity2009](http://www.acs.org/saltlakecity2009).

## **ENVIRONMENTALLY FRIENDLY INITIATIVES**

**EVERY YEAR,** our members and attendees ask what ACS is doing to lessen the impact of the national meeting and exposition on the environment. ACS Meetings works with its facilities and event production partners to implement environmentally friendly solutions to produce the ACS meeting wherever possible in an effort to make the meeting more green.

ACS and its partners have taken the following steps to lessen the meeting's impact on the environment:

■ Turning off lighting and air-conditioning in exhibit halls and meeting rooms when not in use.

■ Producing event-specific signage from recyclable substrates (such as cardboard or canvas) without laminate or glues and recycling it after each meeting. Permanent signage is also used where appropriate.

■ Using permanent aluminum-system counters, kiosks, walled offices, and entrance units that remain assembled and are fitted with graphic inserts for each meeting.

■ Working with a vendor that continually reuses carpeting, padding, and aluminum-system components and recycles them into

# PRELIMINARY PROGRAM

## Official Properties for the ACS National Meeting & Exposition in Salt Lake City, Utah FOR BEST AVAILABILITY, MAKE YOUR RESERVATION VIA THE INTERNET

[www.acs.org/saltlakecity2009](http://www.acs.org/saltlakecity2009)

OR BY PHONE (866) 847-8570 or (801) 521-9025 for international

**ALL RATES INCLUDE COMPLIMENTARY INTERNET**

new components or alternative products when worn. ■ Encouraging exhibitors to bring only what they need to the event, reuse materials and packing, and recycle or take away what they don't hand out, in addition to other vendor initiatives.

■ Working with vendors to utilize the convention center's recycling program to recycle corrugated cardboard and other nonfood waste produced during the meeting.

■ Suggesting that event organizers provide water in pitchers instead of plastic bottles; serve condiments in bulk rather than individual packets; and utilize reusable plates, cups, and flatware.

■ Using recycled paper for registration forms, registration receipts, Meeting Map & Guide, and blank paper at all Meeting Mail kiosks and self-registration/printer stations.

**SHUTTLE SERVICE.** In an effort to be sustainable, ACS will provide limited shuttle service between hotels and the Salt Palace Convention Center. We encourage attendees to use Utah public transportation and the free fare zone trolley.

The ACS Shuttle (TMS) will provide carbon offsets for every gallon of diesel used during the meeting.

### PARTNER WITH ACS FOR A "GREENER" MEETING.

You can decrease your own environmental footprint during your meeting participation with some simple steps:

#### Reduce Waste and Energy Consumption

- Walk between the official ACS hotels and the convention center when possible.
- Use the free ACS shuttle buses to ride between venues rather than taking taxicabs or private vehicles.

■ Turn off the lights and air-conditioning in your hotel room when leaving each day.

■ Unplug your cell phone and laptop chargers when not in use.

■ Use the Internet to register and reserve your hotel for the meeting using paperless technology.

■ Use the ACS Attendee Website ([www.acs.org/saltlakecity2009](http://www.acs.org/saltlakecity2009)) to access extensive

attendee information, the official technical program, maps, and other tools.

■ Consume food that is local, seasonal, and organic.

■ Take only what you need from exhibitors inside the ACS National Exposition, and ask them to provide information to you directly by e-mail.

■ Update your ACS membership record

Hotel	Single (1 person)	Double (2 persons)	Triple (3 persons)	Quad (4 persons)	Wheelchair Accessible	Children Under 18	Babysitting	Shuttle	Parking	Internet	Smoking	Pets	Health Club	Swimming Pool	Smoking Rooms
1. Courtyard by Marriott	\$134	\$134	\$139	\$144	4	17	No	Yes	Comp	Mon-Thurs	Yes	Yes	Yes	Yes	No
2. Crystal Inn Hotel & Suites	\$90	\$100	\$110	\$120	4	18	No	Yes	Comp	No	Yes	Yes	Yes	Yes	Yes
3. Embassy Suites	\$179	\$179	\$194	\$209	4	18	No	Yes	Comp	Yes	No	Yes	Yes	Yes	Yes
4a. Grand America Premier Rooms	\$229	\$229	\$249	\$269	4	17	Yes	Yes	\$10-15	Yes	No	Yes	Yes	Yes	No
4b. Grand America Executive Suites	\$249	\$249	\$269	\$289	4	17	Yes	Yes	\$10-15	Yes	No	Yes	Yes	Yes	No
5. Hampton Inn	\$149	\$159	\$159	\$159	4	18	No	Yes	Comp	No	Yes	Yes	Yes	Yes	Yes
6. Hilton	\$169	\$179	\$194	\$209	5	18	No	No	\$13-16	Yes	Yes	Yes	Yes	Yes	Yes
7. Homewood Suites	\$164	\$174	\$184	\$194	4	18	No	Yes	Comp	No	No	Yes	No	No	Yes
8. Hotel Monaco	\$149	\$149	\$159	\$169	5	17	Yes	No	\$15.50	Yes	Yes	Yes	Yes	No	No
9a. Little America Courtside Rooms	\$109	\$109	\$124	\$139	4	17	Yes	Yes	Comp	Yes	No	Yes	Yes	Yes	No
9b. Little America Garden Rooms	\$159	\$159	\$174	\$189	4	17	Yes	Yes	Comp	Yes	No	Yes	Yes	Yes	No
9c. Little America Tower Rooms	\$169	\$169	\$184	\$199	4	17	Yes	Yes	Comp	Yes	No	Yes	Yes	Yes	No
10. Marriott City Center	\$151	\$151	\$161	\$171	5	12	No	Yes	\$12-14	Yes	Yes	Yes	Yes	Yes	No
11. Marriott Downtown	\$184	\$184	\$194	\$204	5	12	Yes	No	\$12-15	Yes	No	Yes	Yes	Yes	No
12. Peery Hotel	\$124	\$124	\$134	\$144	4	17	No	No	\$10-15	Yes	Yes	Yes	Yes	No	No
13. Radisson	\$146	\$146	\$161	\$176	4	17	Yes	No	\$10-13	Yes	Yes	Yes	Yes	Yes	No
14. Red Lion Hotel	\$132	\$142	\$157	\$172	4	18	No	Yes	Comp	Yes	Yes	Yes	Yes	No	No
15a. Residence Inn City Center One Bedroom Suite	\$144	\$144	\$144	\$144	6	17	No	Yes	Comp	No	Yes	Yes	Yes	No	No
15b. Residence Inn City Center Two Bedroom Suite	\$184	\$184	\$184	\$184	6	17	No	Yes	Comp	No	Yes	Yes	Yes	No	No
16. Royal Garden Inn	\$99	\$99	\$104	\$109	4	18	No	Yes	Comp	No	Yes	Yes	Yes	No	Yes
17. Salt Lake Plaza	\$139	\$149	\$159	\$169	5	17	No	No	\$5	Yes	No	Yes	Closed	Closed	No
18. Sheraton	\$149	\$149	\$164	\$179	4	18	No	Yes	\$10	Yes	Yes	Yes	Yes	Yes	No
19. Shilo Inn Suites	\$120	\$120	\$135	\$150	5	12	No	No	Comp	Yes	Yes	Yes	Yes	Yes	No
20. SpringHill Suites	\$162	\$162	\$172	\$182	3	18	No	Yes	Comp	No	Yes	Yes	Yes	Yes	No

The rates listed above do not include the current 12.67% room and occupancy tax per room per night, which is subject to change. All hotels are environmentally friendly and are handicap accessible.

<p>Maximum occupants per room.</p> <p>Children below this age are free in parent's room using existing bedding.</p> <p>Babysitting list available.</p> <p>ACS shuttle service to Salt Palace Convention Center.</p>	<p>Parking rates are per day, do not include tax, and can change without notice.</p> <p>Room service available.</p> <p>Pets allowed (fees and restrictions may apply).</p>	<p>Health club or fitness room available.</p> <p>Swimming pool available (fee may apply).</p> <p>Smoking guest rooms may be available.</p>
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## Official Properties in Salt Lake City



through our own personal actions, work to help sustain the environment at [www.acs.org/committees](http://www.acs.org/committees).

## TRANSPORTATION

**AIRPORT.** Salt Lake International Airport is 5 miles northwest of Salt Lake City. There are two terminals for domestic carriers and an international terminal.

When departing Salt Lake City, it is recommended that you arrive at the airport at least 90 minutes before your flight's scheduled departure. Two hours is the recommended guideline for international flights. Visit [www.slairport.com/information\\_and\\_services.html](http://www.slairport.com/information_and_services.html) for more information.

**Ground Transportation at the Airport.** Services for compliance with the Americans with Disabilities Act are available. Advance reservations are recommended.

**Courtesy Cars.** Hotel courtesy cars are available from both terminals. Arrangements can be made at direct-line hotel phone banks.

**Taxicab.** Taxi service booths are located in the baggage claim areas. The approximate fare is \$20, depending on your destination. Three companies service the airport: City Cab, (801) 363-5550; Ute Cab, (801) 359-7788; and Yellow Cab, (801) 521-2100. Cab sharing is allowed only if going to the same destination.

**Rental Cars.** Car rental facilities are located on the ground floor of the short-term parking garage directly across from the terminal buildings. A list of rental companies serving the airport can be found at [www.slairport.com/rental\\_cars](http://www.slairport.com/rental_cars).

**Utah Transit Authority (UTA).** Buses operate from 6 AM to 11 PM Monday through Saturday, and 9:45 AM to 10 PM Sunday and holidays. A UTA bus leaves the airport for the City Center every 30 minutes during the day and every 60 minutes after 7 PM. One-way fare is \$1.60. Limited service is available on weekends and holidays.

**On-Site Shuttles.** The following on-site shuttle companies are located at baggage claim:

Alta Shuttle, (866) 274-0225, (801) 274-0225

All Resort Express, (435) 658-9726

Canyon Transportation, (801) 255-1841  
Express Shuttle, (801) 596-1600, (800) 397-0773

Park City Transportation, (800) 637-3803, (435) 649-8567

and registration record if your contact information has changed or you no longer wish to receive promotions to reduce wasteful duplicate or unwanted mailings.

- Be sure to RSVP or reserve a social event ticket so that the event organizer can provide the appropriate amount of food based on the number of expected guests.

### Reuse Materials

- Participate in your hotel's linen reuse program where housekeeping staff do not change the sheets and towels daily unless requested by the guest.

- Continue to use the same shampoos and soaps in your guest room until they are finished.

- Use your own refillable water bottle or coffee mug each day and refill it at water stations or fountains at the official hotels and convention center.

- Bring a reusable bag with you each day so that you can consolidate your meeting materials and avoid the use of unnecessary plastic or disposable bags.

- Take your meeting lanyard and other items picked up at the meeting back to your office or laboratory or distribute them to a colleague who would use them.

### Recycle

- Utilize the recycling containers at the Salt Palace Convention Center to recycle mixed office paper, cardboard, aluminum cans, and glass and plastic bottles marked with "1" and "2" on their bottoms.

- When you are finished with your meeting materials, remember to recycle your programs, registration badges, and other items at your home or office.

### ACS RESOURCES FOR ENVIRONMENTALLY FRIENDLY INITIATIVES.

Members of the ACS Committee on Environmental Improvement promote the society's and the public's awareness and active concern for protecting and improving the quality of human health and the environment. They welcome ACS member input as they determine how we can,

Other shuttle bus, limousine, and motor coach services to and from the airport are listed at [www.slairport.com/buses\\_taxi\\_limos](http://www.slairport.com/buses_taxi_limos).

**AIR & AUTO RENTAL DISCOUNTS.** ACS has negotiated special rates for all 2009 meetings with its airline and auto rental partners.

### American Airlines

(800) 433-1790, 8 AM to 9 PM EST seven days a week or online at [www.aa.com](http://www.aa.com). Use discount code A2139AN.

### Continental Airlines

(800) 433-1790, use code BoWG9K (Z code: ZENX). To order online at [www.continental.com](http://www.continental.com), use code ZENXBoWG9K to receive an additional 3% savings.

### Avis

(800) 331-1600; online at [www.avis.com](http://www.avis.com). Use AWD code B923099.

### Hertz

(800) 654-2240; online at [www.hertz.com](http://www.hertz.com). Use ID CV# 02UZ0008.

**AMTRAK.** The Amtrak Station is located at 340 South 600 West, Salt Lake City, UT 84101; (800) 872-7245.

## MEMBER SERVICES

**ACS MEMBER RESOURCE BOOTH.** ACS staff will be available to assist you with any membership concerns or questions about the society's programs and services. Join the society on-site and receive discounted member rates to register for the meeting and to receive a thank you gift for joining. Assistance is also available for members who would like to renew memberships on-site or to complete any adjustments to membership records or ACS accounts. Information on a wide variety of personal benefits and services will also be available. The ACS Member Resource Booth is located outside of Hall A in the Salt Palace Convention Center and will be open Saturday, March 21, 3 to 6 PM; Sunday, March 22 through Wednesday, March 25, 7:30 AM to 5 PM; and Thursday, March 26, 7:30 AM to 1 PM.

**ACS STORE. Booth No. 427.** Visit the ACS Store inside the exposition to purchase ACS chemistry-themed items such as our

periodic table beach towel, ACS logo accessories, the famous beaker mug, and more. Don't forget to pick up your Salt Lake City commemorative national meeting pin, an ACS Store exclusive. ACS merchandise is also available online at [www.acs.org/store](http://www.acs.org/store).

### ACS MEMBER INSURANCE PROGRAM.

**Booth No. 224.** Stop by to speak with the insurance plan administrators and ACS staff about the various insurance plans offered by the Board of Trustees, Group Insurance Plans for ACS members. Take advantage of this opportunity to learn from insurance experts about the wide range of plans available to cover all your insurance needs. Members who stop by the booth will have the opportunity to receive a free on-the-spot rate quote comparison for Term Life, 10-Year Level Term, and Health Insurance. For additional information, visit [www.acs.org/insurance](http://www.acs.org/insurance).

## ON-SITE MEETING ARRANGEMENTS

**"ASK ME" GREETERS.** Look for ACS "Ask Me" greeters wearing bright-yellow T-shirts, caps, or scarves; they can help you locate meeting rooms, navigate the on-site program, or assist with other attendee services.

**ATTENDEE BADGES.** Attendees and guests must be registered and display their badges at all times to be admitted to all official ACS sessions and events.

**ATTENDEE MESSAGING/MEETING MAIL.** After registering for the meeting, you will be assigned a temporary electronic mailbox to exchange personal messages with other registered attendees via Meeting Mail. Meeting Mail will be available before, during, and after the meeting at [www.acs.org/saltlakecity2009](http://www.acs.org/saltlakecity2009). Use the Meeting Mail terminals located in the Salt Palace Convention Center. Telephone messages left at the ACS Information Center will be conveyed to attendees via the electronic message center, but the society cannot accept responsibility for the delivery of any messages. No one will be paged in meeting rooms.

**AUDIOTAPING, PHOTOGRAPHY & VIDEOTAPING.** Recording meeting events through audiovisual or photographic methods is prohibited at all official ACS events without written consent from ACS. The use of cameras is not permitted during technical sessions.

Attendees or exhibitors may photograph their own activity, but permission must be obtained from all involved parties before photographs can be taken of other people or displays at the meeting or in the exposition.

### BARRIER-FREE MEETING/SPECIAL SERVICES.

The society is dedicated to ensuring that no individual with a disability is excluded, denied services, segregated, or otherwise treated differently due to the absence of auxiliary aids and services identified in the Americans with Disabilities Act (ADA). If you require special accommodations to participate in the meeting, communicate your needs to ACS Meeting Services (e-mail: [natlmtgs@acs.org](mailto:natlmtgs@acs.org); fax (202) 872-4410; or TDD (202) 872-4557) by Feb. 23 to allow us enough time to fulfill your request. If you have an emergency or need immediate assistance during the meeting, contact any ACS Operations Office at the Salt Palace Convention Center or official hotels.

### CELL PHONES, PAGERS, PDAS & OTHER ELECTRONIC DEVICES.

As a courtesy to other meeting attendees, electronic devices must be operated in silent/vibrate mode within technical or educational sessions. Cell phone conversations are not permitted in meeting rooms.

**CHILD CARE.** Child care will be available to meeting attendees—on a space-availability basis—free of charge from 8 AM to 6 PM on Sunday, March 22, through Thursday, March 26. At Camp ACS, kids three to 16 years of age can participate in age-appropriate activities while you enjoy the meeting. To ensure your child's participation, register by March 13 at [www.accentoca.com/campacs09](http://www.accentoca.com/campacs09).

**MOTHERS ROOM.** For your convenience and privacy, ACS will provide a Nursing Station at the Salt Palace Convention Center. Please see the Operations Office at the Salt Palace Convention Center, Hall A, for access to the station.

### EMERGENCIES DURING ACS MEETING EVENTS.

ACS will place detailed instructions inside each meeting room to be used if an emergency occurs during an ACS meeting event. These instructions will revolve around following the established emergency guidelines of the facility where the emergency occurs. Report emergencies to the nearest security guard or to any ACS Operations Office during the meeting. Should a catastrophic event occur, attendees should



follow safety and security instructions issued by the facility where they are located at the time of the event.

**HOST LOCAL SECTION.** ACS gratefully acknowledges the cooperation and assistance of the ACS Salt Lake Local Section and its members in handling local arrangements. Its volunteers have planned many interesting activities, and the Host Local Section Center will be located in the Salt Palace Convention Center, South Foyer.

**INFORMATION CENTER.** Clerks at the ACS Information Center located in the Salt Palace Convention Center, South Foyer, can help you navigate the on-site program; find a particular session or room; and answer basic meeting questions on Saturday from 3 to 6 PM, Sunday to Wednesday from 7:30 AM to 6 PM, and Thursday from 7:30 AM to 1 PM. Lost-and-found items at the convention center should be directed to the ACS Information Center. Telephone messages left there will be conveyed to attendees via the electronic message center, but the society cannot accept responsibility for the delivery of any messages, mail, packages, and/or telegrams.

**INTERNATIONAL REGISTRANTS.** Many international visitors are required to hold a visa prior to being admitted to this country due to the security measures that the U.S. has in place at airports and other border crossings. Detailed information for international attendees can be found at [www.acs.org/saltlakecity2009](http://www.acs.org/saltlakecity2009).

**INTERNET AND COMPUTER SERVICES.** Utilize our electronic communication services before, during, and after the meeting. Once you get to the meeting, you can access your e-mail, POP mail, and the Internet as well as your personal Meeting Mail mailbox from Meeting Mail terminals and Laptop Lane. These areas will be located inside the ACS exposition at the Salt Palace Convention Center, Halls B-E.

**MEETING OFFICES.** Following is a list of ACS offices at the meeting.

**ACS Career Fair:** Convention Center, Hall 4

**Attendee Registration:** Convention Center, Hall A

**Exhibitor Registration:** Convention Center, South Foyer

## TIPS FOR A SAFE STAY IN SALT LAKE CITY

- Attendees should be aware of their surroundings at all times.
- Don't wear your meeting badge outside the convention center or hotels.
- Don't wear fancy jewelry or carry expensive technology in plain sight.
- Carry your briefcase, tote bag, purse, or laptop carrier close to your body.
- Don't leave valuables in your hotel room. Get a hotel safe deposit box.
- Walk only on main thoroughfares and in well-lit areas.
- Walk in the open or near the curb after dark. Don't hug the buildings or cars as you go.
- Travel in groups. Don't be a loner, particularly in the evening.
- Use common sense. If someone or someplace looks suspicious, report it and/or avoid it.
- If an emergency occurs during a meeting event, refer to detailed instructions placed by ACS staff inside each meeting room to follow in case of emergencies. Report emergencies to the nearest security guard or to any ACS Operations Office during the meeting.
- If an emergency occurs outside an ACS event, contact police or emergency assistance by dialing 911 or seeking assistance from the facility where the emergency occurs.
- Should a catastrophic event occur while the meeting is under way, follow safety and security instructions issued by the facility where you are located at the time of the event.

**Host Local Section Center:** Convention Center, South Foyer

**Information Center:** Convention Center, South Foyer

**Member Resource Center:** Convention Center, North Foyer

**Operations Offices:** Convention Center, Grand America, Hilton, Little America, Marriott City Center, Marriott Downtown, Sheraton

**Press Room:** Convention Center, Hall A

**Secretary's Office:** Grand America

**Shuttle Desk:** Convention Center, Shuttle Drop-off Area

**ACS POSTERS2VIEW.** Allows authors to present their work to a larger audience and attendees to view posters without physical constraints. Authors can upload their posters as a PDF that is indexed and searchable by author, division, and title. Viewers can comment, send questions, and access the content online for three months after the national meeting. Access to ACS Posters-

2View will be available to registered national meeting attendees at [www.posters2view.com/chem](http://www.posters2view.com/chem) beginning Sunday, March 22. Visit the Posters2View booth at the Salt Palace Convention Center, outside of Halls 1 and 2 for additional information.

**PRESS ROOM.** Press resources for reporters and editors working full-time for print or broadcast news organizations will be available in the ACS Press Room at the Salt Palace Convention Center, Hall A, during the meeting. All press registrants must be credentialed by the ACS Office of Communications.

**SHUTTLE SERVICE.** Complimentary shuttle service will be provided during daytime hours between the Salt Palace Convention Center and the official ACS hotels. Shuttles will operate 7 AM to 11 PM on Sunday to Wednesday and 7 AM to 6 PM on Thursday. The service will run approximately every 15 to 30 minutes (traffic may delay certain routes during rush hours). If you require wheelchair access, e-mail [b\\_philpot@acs.org](mailto:b_philpot@acs.org) at least 10 days prior to the meeting.

## FREE PUBLIC TRANSPORTATION.

The Utah Transportation Authority (UTA) has a TRAX system, which is free within the downtown area. You can travel between downtown, the hotels, and the Salt Palace Convention Center.

Contact them at (888) 743-3882 or e-mail them at [www.rideuta.com](http://www.rideuta.com); tell them where you want to go and their operators will tell you which TRAX to take.

**SMOKING.** ACS policy prohibits smoking in all rooms during ACS functions at the convention center and official hotels. Additionally, the convention center and many of the official hotels are designated as smoke-free environments at all times.

## SPEAKER & AUTHOR INSTRUCTIONS

**ALL SPEAKERS,** authors, and poster presenters must register and pay the appropriate registration fee to attend the meeting. Invited speakers should contact their symposium organizer or division program chair to clarify terms of their invitation.

All presenters should prepare for their presentation by checking the following



details: the status of your abstract at [oasys.acs.org/acs/237nm/oasys.htm](http://oasys.acs.org/acs/237nm/oasys.htm) (using your abstract ID number and password from your acceptance notice); mode of presentation (oral or poster); and the time, length, and location of your presentation. Speakers should arrive in their presentation rooms at least 30 minutes before their scheduled speaking time. Poster presenters should set up their poster at least one hour before the start of their poster session. If you need to withdraw your presentation, please send a withdrawal notice to [help@acs.org](mailto:help@acs.org) and contact your symposium organizer immediately.

#### TECHNICAL SESSION EQUIPMENT.

Each technical session meeting room will be equipped with the following: LCD projector, screen, lighted podium, podium microphone or lapel microphone, and laser pointer. Speakers need to provide their own laptops or arrange for specialty equipment directly with their symposium organizer and/or division program chair. To request other specialty equipment (at the standard fee), contact an ACS Operations Office during the meeting.

**SPEAKER READY ROOMS.** Session presenters may use the speaker ready rooms to preview their presentation, ensure compatibility with our LCD projectors, or fulfill last-minute audiovisual equipment orders.

These rooms are available to session presenters on Saturday, March 21, from 3 to 5 PM, and Sunday through Thursday, March 22–26, from 7 AM to 6 PM, at the Salt Palace Convention Center, Grand America, Hilton, Little America, Marriott City Center, Marriott Downtown, and Sheraton. Speaker ready rooms are not equipped with copy machines.

**POSTER SESSIONS.** All materials must be confined to the 4-foot-high by 6-foot-wide display board. Authors must mount their poster during the one hour before

#### THANK YOU

The society thanks the many volunteers who are contributing to this year's national meetings by participating as division officers or program chairs, symposium organizers, session or award presiders, oral and poster presenters, short course or workshop instructors, career consultants, and society governance members.

the scheduled session start. Pushpins will be available at the poster session. Authors must remain with their posters for the duration of their scheduled session as indicated in the technical program. All posters must remain up until the session ends and then must be removed within one hour. ACS cannot assume responsibility for materials beyond these time limits.

## ABSTRACTS & PREPRINTS

**ONLINE TECHNICAL PROGRAM.** The technical program for the meeting is available at [www.acs.org/saltlakecity2009](http://www.acs.org/saltlakecity2009). You can search by divisions, secretariats, or committees; symposia; speakers; or keywords from abstracts as well as presidential events and the multidisciplinary theme of "Nanoscience: Challenges for the Future." In March, you can also plan your meeting itinerary using the Personal Scheduler software from the website.

**ABSTRACTS (CD-ROM).** Abstracts of all scientific sessions at the meeting can be purchased in CD-ROM format through ACS Attendee Registration either online from Jan. 12 to March 26, or on-site from March 21 to 26. The ACS member fee is \$65 each; the nonmember fee is \$90 each. Attendees can pick up their abstracts on-site at ACS Attendee Registration at the Salt Palace Convention Center, Hall A. You can also have your abstracts shipped to you if you place your order before Feb. 25, pay a \$15 postage fee per item, and provide a valid street address located within the U.S. or Canada.

If you are not attending the meeting, you can purchase abstracts only from the ACS Office of Society Services, 1155–16th St., N.W., Washington, DC 20036; (800) 227-5558. Abstract CD-ROMs and their shipping costs are nonrefundable.

**PREPRINTS.** Preprints from the following divisions may be ordered directly from each division, which will have a hospitality table near their meeting rooms.

**Fuel Chemistry.** Nicholas Lentz, e-mail: [nlentz@undecr.org](mailto:nlentz@undecr.org)

**Petroleum Chemistry.** Subramani Velu, e-mail: [subravelu@hotmail.com](mailto:subravelu@hotmail.com)

**Polymer Chemistry Inc.** (available online only). Kathy Mitchem, e-mail: [kathyl@vt.edu](mailto:kathyl@vt.edu)

# SPECIAL & EDUCATIONAL EVENTS

## PRESIDENTIAL EVENTS

**DURING 2009,** ACS President Thomas H. Lane is committed to promoting education, building new and productive relationships that support the ACS Strategic Plan, and developing outcome-based metrics to guide the society.

During the meeting, President Lane is supporting six presidential events. On Saturday, March 21, Chocolate Fest, a presidential outreach event cosponsored with the Committee on Community Activities (CCA), will take place from 11 AM to 2 PM at the Discovery Gateway Museum. The event will feature exhibits and talks on the chemistry of chocolate and hands-on activities for children.

The theme for the Salt Lake City meeting is "Nanoscience: Challenges for the Future." Two presidential events will highlight that theme: a keynote address and a plenary session organized by professor Paul Weiss, editor of *ACS Nano*. The keynote is scheduled for Sunday, March 22, 5 to 6 PM, and features professor Angela Belcher (Massachusetts Institute of Technology), who will make a general presentation on nanoscience.

"The Kavli Foundation ACS Presidential Plenary Session on Challenges in Nanoscience," is scheduled for Monday, March 23, 4 to 7 PM. Professors Vicki Colvin (Rice University), James Hutchison (University of Oregon), George Whitesides (Harvard University), and Grant Willson (University of Texas, Austin) are scheduled to make presentations.

A symposium, titled "Leadership: Facing the Challenges of Today and Tomorrow," co-sponsored with the Board Oversight Group on Leadership Development, is scheduled for Monday, March 23, 1:30 to 5 PM. This event will mark the launch of the new ACS Leadership Development System highlighting the importance of chemistry and leadership in industry, academics, and ACS. A reception will immediately follow at 5 PM.

Other symposia sponsored by the president are listed on the Presidential Events grid (see page 56) and include "Global Energy Challenges in the 21st Century," co-sponsored with Immediate Past-President Bruce E. Bursten. This symposium is a

follow-up to the well-received symposium on domestic energy research challenges and opportunities from the New Orleans national meeting in April 2008.

## NATIONAL AWARDS

**THE ACS NATIONAL AWARDS** recognize individuals or team accomplishments in diverse fields of the chemical sciences. Award recipients traditionally receive their national award in person during the ACS awards dinner and general meeting and then deliver an award address on the scientific work that is being recognized to an appropriate division.

This year's event will be held on the evening of Tuesday, March 24, at the Grand America Hotel, Imperial Ballroom. Dinner begins at 7:30 PM and the general meeting begins at 8:30 PM. M. Frederick Hawthorne will deliver the Priestley Medal Address at the general meeting. (See Ticketed Events on page 61 for ticket information.)

Several awards, as well as the Arthur C. Cope Scholar Awards and the Arthur C. Cope Awards address, will be presented at the Arthur C. Cope Award Symposium in conjunction with the 238th ACS national meeting in Washington, D.C., in August.

**ACS Award for Achievement in Research for the Teaching & Learning of Chemistry** sponsored by Pearson Education; Alexander Henry Johnstone, University of Glasgow, Scotland. Address to be presented before the Division of Chemical Education.

**ACS Award for Affordable Green Chemistry** sponsored and supported through an endowment established by Rohm and Haas Co.; Geoffrey W. Coates, Cornell University. Address to be presented before the Division of Organic Chemistry.

**ACS Award for Computers in Chemical & Pharmaceutical Research** sponsored by Schrödinger; Mark S. Gordon, Iowa State University. Address to be presented before the Division of Computers in Chemistry.

**ACS Award for Creative Advances in Environmental Science & Technology** sponsored by Air Products & Chemicals Inc. in memory of Joseph J. Breen; Margaret A. Tolbert, University of Colorado, Boulder. Address to be presented before the Division of Physical Chemistry at the 238th national meeting in Washington, D.C.

**ACS Award for Creative Invention** sponsored by ACS Corporation Associates; Robert H. Grubbs, California Institute of Technology. Address to be presented before the Division of Organic Chemistry.

**ACS Award for Creative Research & Applications of Iodine Chemistry** sponsored by SQM S.A.; Gerald F. Koser, University of Akron. Address to be presented before the Division of Organic Chemistry.

**ACS Award for Creative Work in Fluorine Chemistry** sponsored by Honeywell; Henry Selig, Hebrew University, Jerusalem. Address to be presented before the Biennial Winter Fluorine Conference in Florida.

**ACS Award for Creative Work in Synthetic Organic Chemistry** sponsored by Aldrich Chemical Co. Inc.; Hisashi Yamamoto, University of Chicago. Address to be presented before the Division of Organic Chemistry.

**ACS Award for Distinguished Service in the Advancement of Inorganic Chemistry** sponsored by Strem Chemicals Inc.; Alan H. Cowley, University of Texas, Austin. Address to be presented before the Division of Inorganic Chemistry.

**ACS Award for Encouraging Disadvantaged Students into Careers in the Chemical Sciences** sponsored by the Camille & Henry Dreyfus Foundation Inc.; Shirley McBay, Quality Education for Minorities (QEM) Network. Address to be presented before the Division of Environmental Chemistry.

**ACS Award for Encouraging Women into Careers in the Chemical Sciences** sponsored by the Camille & Henry Dreyfus Foundation Inc.; Mary F. Singleton, University of California, Lawrence Livermore National Laboratory (retired). Address to be presented before the Women Chemists Committee.

**ACS Award for Research at an Undergraduate Institution** sponsored by Research Corporation; Moses N. F. Lee, Hope College. Address to be presented before the Division of Organic Chemistry.

**ACS Award for Team Innovation** sponsored by ACS Corporation Associates; Hai-Ying Chen (Johnson Matthey Inc.), Neal W. Currier (Cummins Inc.), Howard S. Hess (Johnson Matthey Inc.), Bradley J. Stroia (Cummins Inc.), Aleksey Yezerets

(Cummins Inc.). Address to be presented before the Division of Fuel Chemistry.

**Award for Volunteer Service to the American Chemical Society** sponsored by the American Chemical Society; Mary Virginia Orna, College of New Rochelle. Address to be presented during the ACS ChemLuminary Awards at the 238th national meeting in Washington, D.C.

**ACS Award in Analytical Chemistry** sponsored by Battelle Memorial Institute; Peter W. Carr, University of Minnesota. Address to be presented before the Division of Analytical Chemistry at the 238th national meeting in Washington, D.C.

**ACS Award in Applied Polymer Science** sponsored by Eastman Chemical Co.; Benny D. Freeman, University of Texas, Austin. Address to be presented before the Division of Polymeric Materials: Science & Engineering.

**ACS Award in Chromatography** sponsored by Supelco Inc.; Nobuo Tanaka, Kyoto Institute of Technology, Japan. Address to be presented before the Division of Analytical Chemistry at the 238th national meeting in Washington, D.C.

**ACS Award in Colloid & Surface Chemistry** sponsored by the Procter & Gamble Co.; Jacob N. Israelachvili, University of California, Santa Barbara. Address to be presented before the Division of Colloid & Surface Chemistry.

**ACS Award in Industrial Chemistry** sponsored by the ACS Division of Business Development & Management and the Synthetic Organic Chemical Manufacturers Association; George G. I. Moore, 3M. Address to be presented before the Division of Business Development & Management.

**ACS Award in Inorganic Chemistry** sponsored by Aldrich Chemical Co. Inc.; Daniel G. Nocera, Massachusetts Institute of Technology. Address to be presented before the Division of Inorganic Chemistry.

**ACS Award in Organometallic Chemistry** sponsored by Dow Chemical Co. Foundation; Odile Eisenstein, Université Montpellier 2, France. Address to be presented before the Division of Inorganic Chemistry.

**ACS Award in Polymer Chemistry** sponsored by ExxonMobil Chemical Co.; Taku-

zo Aida, University of Tokyo. Address to be presented before the Division of Polymer Chemistry.

**ACS Award in Pure Chemistry** sponsored by Alpha Chi Sigma Fraternity and the Alpha Chi Sigma Educational Foundation; Garnet K. L. Chan, Cornell University. Address to be presented before the Division of Physical Chemistry.

**ACS Award in Separations Science & Technology** sponsored by Waters Corp.; Abraham M. Lenhoff, University of Delaware. Address to be presented before the Division of Biochemical Technology at the 238th national meeting in Washington, D.C.

**ACS Award in the Chemistry of Materials** sponsored by E. I. du Pont de Nemours & Co.; Omar M. Yaghi, University of California, Los Angeles. Address to be presented before the Division of Inorganic Chemistry.

**ACS Award in Theoretical Chemistry** sponsored by the American Chemical Society; Robert G. Parr, University of North Carolina, Chapel Hill. Address to be presented before the Division of Physical Chemistry.

**Roger Adams Award in Organic Chemistry** sponsored by Organic Reactions Inc. and Organic Syntheses Inc.; Andrew Streitwieser, University of California, Berkeley. Address to be presented before the Biennial National Organic Chemistry Symposium in Boulder, Colo.

**Arthur W. Adamson Award for Distinguished Service in the Advancement of Surface Chemistry** sponsored by the American Chemical Society; David A. King, Cambridge University. Address to be presented before the Division of Physical Chemistry.

**Alfred Bader Award in Bioinorganic & Bioorganic Chemistry** sponsored by the Alfred R. Bader Fund; Kevin M. Smith, Louisiana State University. Address to be presented before the Division of Organic Chemistry.

**Earle B. Barnes Award for Leadership in Chemical Research Management** sponsored by Dow Chemical Co.; Gregg A. Zank, Dow Corning Corp. Address to be presented before the Division of Polymer Chemistry.

**Ronald Breslow Award for Achievement in Biomimetic Chemistry** sponsored by

the Ronald Breslow Endowment; James P. Collman, Stanford University. Address to be presented before the Division of Inorganic Chemistry.

**Herbert C. Brown Award for Creative Research in Synthetic Methods** sponsored by the Purdue Borane Research Fund and the Herbert C. Brown Award Endowment; Scott E. Denmark, University of Illinois. Address to be presented before the Division of Organic Chemistry.

**James Bryant Conant Award in High School Chemistry Teaching** sponsored by Thermo Fisher Scientific Inc.; Sally B. Mitchell, East Syracuse-Minoa Central High School, East Syracuse, N.Y. Address to be presented before the Division of Chemical Education.

**Arthur C. Cope Award** sponsored by the Arthur C. Cope Fund; Manfred T. Reetz, Max Planck Institute of Coal Research, Germany. Address to be presented before the Division of Organic Chemistry at the 238th national meeting in Washington, D.C.

**Arthur C. Cope Scholar Awards** sponsored by the Arthur C. Cope Fund; Carlos F. Barbas III (Scripps Research Institute), Paul J. Chirik (Cornell University), Victor J. Hruby (University of Arizona), William D. Jones (University of Rochester), Chaitan Khosla (Stanford University), Mohammad Movasaghi (Massachusetts Institute of Technology), Nicos A. Petasis (University of Southern California), John A. Porco Jr. (Boston University), David H. Sherman (University of Michigan), Erik J. Sorensen (Princeton University). Address to be presented before the Division of Organic Chemistry at the 238th national meeting in Washington, D.C.

**Elias J. Corey Award for Outstanding Original Contribution in Organic Synthesis by a Young Investigator** sponsored by the Pfizer Endowment Fund; Brian M. Stoltz, California Institute of Technology. Address to be presented before the Division of Organic Chemistry.

**F. Albert Cotton Award in Synthetic Inorganic Chemistry** sponsored by the F. Albert Cotton Endowment Fund; Kenneth D. Karlin, Johns Hopkins University. Address to be presented before the Division of Inorganic Chemistry.

**Peter Debye Award in Physical Chemistry**

sponsored by E. I. du Pont de Nemours & Co.; Richard J. Saykally, University of California, Berkeley. Address to be presented before the Division of Physical Chemistry.

**Frank H. Field & Joe L. Franklin Award for Outstanding Achievement in Mass Spectrometry** sponsored by Waters Corp.; Peter B. Armentrout, University of Utah. Address to be presented before the Division of Physical Chemistry.

**Francis P. Garvan-John M. Olin Medal** sponsored by the Francis P. Garvan-John M. Olin Medal Endowment; Kathlyn A. Parker, State University of New York, Stony Brook. Address to be presented before the Division of Organic Chemistry.

**James T. Grady-James H. Stack Award for Interpreting Chemistry for the Public** sponsored by the American Chemical Society; Roald Hoffmann, Cornell University. Address to be presented at the 238th national meeting in Washington, D.C.

**Ernest Guenther Award in the Chemistry of Natural Products** sponsored by Givaudan; Peter Wipf, University of Pittsburgh. Address to be presented before the Division of Organic Chemistry.

**E. B. Hershberg Award for Important Discoveries in Medicinally Active Substances** sponsored by the Schering-Plough Research Institute; Choung Un Kim, Gilead Sciences Inc. Address to be presented before the Division of Medicinal Chemistry.

**Joel Henry Hildebrand Award in the Theoretical & Experimental Chemistry of Liquids** sponsored by ExxonMobil Research & Engineering Co.; Graham R. Fleming, University of California, Berkeley. Address to be presented before the Division of Physical Chemistry.

**Ralph F. Hirschmann Award in Peptide Chemistry** sponsored by Merck Research Laboratories; Morten P. Meldal, Carlsberg Laboratory, Denmark. Address to be presented before the Division of Organic Chemistry.

**Claude S. Hudson Award in Carbohydrate Chemistry** sponsored by the National Starch LLC; Peter H. Seeberger, Max-Planck Institute of Colloids & Interfaces, Germany. Address to be presented before the Division of Carbohydrate Chemistry.



**E. V. Murphree Award in Industrial & Engineering Chemistry** sponsored by ExxonMobil Research & Engineering Co.; Milorad (Mike) P. Dudukovic, Washington University, St. Louis. Address to be presented before the Division of Industrial and Engineering Chemistry.

**Nakanishi Prize** sponsored by the Nakanishi Prize Endowment; JoAnne Stubbe, Massachusetts Institute of Technology. Address to be presented before the Division of Biological Chemistry.

**National Fresenius Award** sponsored by Phi Lambda Upsilon, the national honorary chemical society; Teri W. Odom, Northwestern University. Address to be presented before the Division of Colloid & Surface Chemistry.

**Nobel Laureate Signature Award for Graduate Education in Chemistry** sponsored by Mallinckrodt Baker Inc.; Laura A. Banaszynski (student), Rockefeller University; Thomas J. Wandless (preceptor), Stanford University. Address to be presented before the Division of Biological Chemistry.

**James Flack Norris Award in Physical Organic Chemistry** sponsored by the ACS Northeastern Section; Bernd Giese, University of Basel, Switzerland. Address to be presented before the Division of Organic Chemistry.

**George A. Olah Award in Hydrocarbon or Petroleum Chemistry** sponsored by the George A. Olah Award Endowment; Cynthia M. Friend, Harvard University. Address to be presented before the Division of Catalysis Science & Technology (probationary).

**Charles Lathrop Parsons Award** sponsored by the American Chemical Society; Glenn A. Crosby and Jane L. Crosby, Washington State University. Address to be presented Sunday, March 22, 1:30 PM, the Grand America Hotel.

**George C. Pimentel Award in Chemical Education** sponsored by Cengage Publishing and the ACS Division of Chemical Education; Henry W. Heikkinen, University of Northern Colorado. Address to be presented before the Division of Chemical Education.

**Priestley Medal** sponsored by the American Chemical Society; M. Frederick Haw-

thorne, University of Missouri, Columbia. Address to be presented before the general meeting of the American Chemical Society, Tuesday, March 24, the Grand America Hotel, Imperial Ballroom.

**Glenn T. Seaborg Award for Nuclear Chemistry** sponsored by the ACS Division of Nuclear Chemistry & Technology; Kenton J. Moody, Lawrence Livermore National Laboratory. Address to be presented before the Division of Nuclear Chemistry & Technology.

**Gabor A. Somorjai Award for Creative Research in Catalysis** sponsored by the Gabor A. & Judith K. Somorjai Endowment Fund; Jens K. Nørskov, Technical University of Denmark. Address to be presented before the Division of Physical Chemistry.

**E. Bright Wilson Award in Spectroscopy** sponsored by the American Chemical Society; Paul F. Barbara, University of Texas, Austin. Address to be presented before the Division of Physical Chemistry.

**Ahmed Zewail Award in Ultrafast Science & Technology** sponsored by the Ahmed Zewail Endowment Fund established by Newport Corp.; Margaret M. Murnane and Henry C. Kapteyn, JILA, University of Colorado. Address to be presented before the Division of Physical Chemistry.

## STUDENT & TEACHER ACTIVITIES

During the meeting, education-focused programs and specialty activities are being held for undergraduate students, graduate students, local high school teachers, and chemical professionals who want to expand their career options and manage their career effectively. Explore these educational opportunities in depth at [www.acs.org/saltlakecity2009](http://www.acs.org/saltlakecity2009).

**UNDERGRADUATE PROGRAM.** A vibrant program for undergrads, sponsored by the Task Force on Undergraduate Programming of the Society Committee on Education, has been planned for Sunday and Monday. All events will take place at the Convention Center, with the exception of the Eminent Scientist Lecture and the Corporation Associates Reception for Undergraduates, which will be held at the Marriott Downtown. Undergrads can register

for this program directly through Attendee Registration, and their special registration fee includes course materials, access to the full technical program (Sunday to Thursday), and entry to the Exposition (Monday to Wednesday).

### SUNDAY, MARCH 22

**Undergraduate Hospitality Center**, 8 AM to 5 PM

**Making the Most of Your First ACS National Meeting**, 8 to 8:45 AM

**Careers in Chemistry**, 9 to 10:30 AM

**Graduate School Reality Check**, 9 to 10:30 AM

**Chem Demo Exchange**, 10:30 AM to noon

**Morning Tea with Graduate School Recruiters**, 10:30 AM to noon

**Community Outreach Workshop**, 1 to 2 PM

**Art Conservation & Archeological Research Symposium**, 2 to 3:30 PM

**Kids & Chemistry**, 3:30 to 5 PM

**Student Affiliates Chapter Awards Ceremony**, 7 to 8:30 PM

**Undergraduate Social**, 8:30 to 11:30 PM

### MONDAY, MARCH 23

**Graduate School Recruiting Breakfast**, 8 to 10:00 AM

**Undergraduate Hospitality Center**, 8 AM to noon

**Advances in Nanotechnology Symposium**, 9:30 to 11 AM

**Undergraduate Research Poster Session (sponsored by CHED)**, noon to 3 PM

**Eminent Scientist Lecture**, 3:30 to 4:30 PM

**Corporation Associates Reception for Undergraduates**, 4:30 to 6 PM

**Sci-Mix/Successful Student Affiliates Chapter Posters**, 8 to 10 PM

### HIGH SCHOOL TEACHERS PROGRAM.

The Division of Chemical Education ([www.divched.org](http://www.divched.org)) is sponsoring their High School Teachers Program on Monday, March 23, from 5 to 8 PM and Tuesday, March 24, from 5 to 8 PM at the Marriott City Center to showcase new opportunities for teaching chemistry at the high school level. High school teachers can register for this program directly through Attendee Registration; their special registration fee includes course materials, access to the full ACS meeting (Sunday through Thursday), and entry to the exposition (Monday to Wednesday).



## WORKSHOPS

**THE FOLLOWING** workshops require a separate registration process and/or entry fee in order to participate in the event, as indicated in this listing. Event participation is open to all interested registrants.

**Laboratory Safety.** Friday, March 20, 7:30 AM to 5:30 PM. Sheraton. Sponsored by CHAS. An intensive one-day workshop covering the fundamentals of lab safety and effective lab safety programs, including scope of the problem, accidents, legal aspects, emergency planning, chemical handling, chemical storage, biological and animal hazards, eye and face protection, chemical disposal, electrical safety, and safety program planning. This workshop is intended for industrial, government, medical, and post-secondary academic institutions. Presented by Jim Kaufman or W. H. (Jack) Breazeale. Register online at [membership.acs.org/c/chas](http://membership.acs.org/c/chas). Workshop fee: \$325 for CHAS members, \$375 for nonmembers.

**Laboratory Waste Management.** Friday, March 20, 7:30 AM to 5:30 PM. Sheraton. Sponsored by CHAS. This comprehensive one-day course will identify the various regulatory requirements that apply to laboratories that generate hazardous waste and provide insight into the options for on-site management and off-site disposal. Focus will include discussion on waste management systems, recycling and reclamation techniques, economical handling of wastes, and liability issues. A review of the proposed new RCRA regulations for academic laboratories is also included. The workshop is led by Russell P. Phifer, who has more than 25 years' experience in managing laboratory wastes for academic and industrial laboratories. He is an ACS member and past-chair of the ACS Task Force on Environmental Health & Safety. Register online at [membership.acs.org/c/chas](http://membership.acs.org/c/chas). Workshop fee: \$325 for CHAS members, \$375 for nonmembers.

**Chemical Reactivity Hazards: Laboratory-Scale Recognition & Control.** Saturday, March 21, 7:30 AM to 5:30 PM. Sheraton. Sponsored by CHAS. The workshop is presented by the Process Safety Alliance in cooperation with the Occupational Safety & Health Administration and is led by Neal Langerman. The objective of the workshop is to provide participants with the knowledge and skill to screen processes for potential hazards, recognize when reactive

hazards are present, and implement appropriate controls to reduce the risk of an incident associated with the hazards. Attendees review case studies of actual incidents and do screening examples in order to understand the screening and recognition process. Group discussions of control methods allow participants to share their experiences and to evaluate methods for controlling reactivity risks. Register online at [membership.acs.org/c/chas](http://membership.acs.org/c/chas). Workshop fee: \$325 for CHAS members, \$375 for nonmembers.

**How To Be a More Effective Chemical Hygiene Officer.** Saturday, March 21, 7:30 AM to 5:30 PM. Sheraton. Sponsored by CHAS. Take a close look at the Chemical Hygiene Officer (CHO) position and prepare at the same time for the certification exam to be held the next day. Instructors James K. Kaufman, Russell P. Phifer, and George W. Wahl Jr. give a different slant to safety issues in the laboratory, focusing on what you do and how you can do it better. The course covers all of the content areas of the certification exam, including a sample test in the same format as the real one. Register online at [membership.acs.org/c/chas](http://membership.acs.org/c/chas). Workshop fee: \$325 for CHAS members, \$375 for nonmembers.

**Uses of Influence, Power, and Conflict Resolution in Negotiation.** Saturday, March 21, 8:30 AM to 5 PM. Marriott Downtown. Sponsored by COACH. This workshop is designed to build on what is learned in COACHing Strong Women in the Power of Strategic Persuasion. It begins with a brief review of essential negotiation skills and moves quickly into examination of Cialdini's six principles of influence. The group takes stock of personal and network power and applies this knowledge to identify positive coalitions that can drive organizational change. Factors contributing to personal success and failure are examined and applied to case studies. You will learn tools and concepts for making change happen where it needs to happen through exercises and role-plays, how to make effective interventions, and be heard. For more information, contact Priscilla Lewis, COACH coordinator; phone (541) 346-0116, or e-mail: [cilla@uoregon.edu](mailto:cilla@uoregon.edu). Workshop fee: Free; preregistration is required.

**Chemistry of Leadership.** Saturday, March 21, 8:30 AM to 5 PM. Marriott Downtown. Sponsored by COACH. This program is designed to give participants some basic concepts and tools to further develop their

leadership skills. Participants learn about various concepts of leadership (including their own), explore what is known about gender and its role in leadership situations, reflect on their own leadership challenges, and do some self assessment and planning to identify/develop areas for skill enhancement. The program involves a variety of instructional approaches, including presentation, small-group discussion, and experiential learning. For more information, contact Priscilla Lewis, COACH coordinator; phone (541) 346-0116, or e-mail: [cilla@uoregon.edu](mailto:cilla@uoregon.edu). Workshop fee: Free; preregistration is required.

**COACHing Strong Women in the Art of Strategic Persuasion.** Saturday, March 21, 8:30 AM to 5:30 PM. Marriott Downtown. Sponsored by COACH. This workshop is designed to provide powerful women with skills to succeed in accomplishing their goals in negotiations and meetings. Participants are introduced to techniques from theater and leadership training. Attendees learn how to articulate a clear purpose, land their message, be heard, enhance personal presence, depersonalize attacks, and manage hot moments. Using a case that arises from the group, they will practice a wide range of tactics for success. Participants will leave with a superior sense of how to think strategically about their professional challenges and leadership opportunities. For more information, contact Priscilla Lewis, COACH coordinator; phone (541) 346-0116, or e-mail: [cilla@uoregon.edu](mailto:cilla@uoregon.edu). Workshop fee: Free; preregistration is required.

**NRCC Certification Examination.** Sunday, March 22, 8 AM to noon. Hilton. The certification examinations for the National Registry of Certified Chemists (NRCC) will be administered. Advance registration and completion (with approval) of application must be done prior to March 1. Requests for applications/registration should be made to NRCC, 927 South Walter Reed Dr., No. 11, Arlington, VA 22204; phone (703) 979-9001; e-mail: [nrcc6@aol.com](mailto:nrcc6@aol.com); Internet: [www.nrcc6.org](http://www.nrcc6.org). Application fee: \$150, examination fee: \$175.

**Emulsions.** Tuesday, March 24, 8:30 to 11:30 AM. Marriott Downtown. Sponsored by TECH. Emulsions are indispensable to modern societies, as they provide convenient means for handling substances and delivering them to a specific target, whether it is milk for nourishing newborn mammals

or a specialized silicone emulsion designed to condition only the ends of human hair. Emulsions are classified into different types and can consist of myriad compositions. This workshop discusses the different types of emulsions and their properties, including emulsion stability, with emphasis on water in oil emulsions. The preferred methods for preparing emulsions both in the laboratory and on a commercial scale will be discussed, and examples of commercially important emulsions and their uses will be reviewed. For more information, contact Kristin Hayslip at (513) 634-9729, or Hayslip.kl@pg.com. Workshop fee: \$25, preregistration is required.

### 2009 LEADERSHIP DEVELOPMENT SYSTEM COURSE OFFERINGS

The following courses, sponsored by ACS Leadership Development System, require a fee of \$150 each. Scholarships are available. To register for these courses, go to [www.acs.org/professionaldevelopment](http://www.acs.org/professionaldevelopment). Course descriptions and scholarship information can be found at [www.acs.org/leaderdevelopment](http://www.acs.org/leaderdevelopment). For more information, contact Cassandra Evans, (202) 872-6387, [c\\_evans@acs.org](mailto:c_evans@acs.org).

**Coaching and Feedback.** Sunday, March 22, 1 to 5 PM, Hilton. As anyone who has tried coaching without proper training will tell you, it is not as easy as it seems. Yet coaching effectively is central to your success as a leader, the success of the volunteers, and the success of ACS. Coaching is a key skill that will help you increase performance, expand the skills of your team, improve relationships and morale, encourage creativity, and promote achievement. This course provides leaders with a proven process, practical tools, and a hands-on opportunity to coach volunteers and employees more effectively.

**Engaging Colleagues in Dialogue.** Monday, March 23, 8 AM to noon, Hilton. Have you ever had a project go awry only to learn that miscommunication was the cause? Good communication skills can make all the difference in success as a leader. This course helps ACS leaders improve their one-to-one communication skills from both sides of the communication exchange—as sender and receiver. You will assess your own communication skills through conversations with colleagues both within ACS and in your workplace.

**Leading Change.** Tuesday, March 24, 8

AM to noon, Hilton. Change is a constant today, yet it is often met with resistance. Leading change, whether it is a change in priorities, direction, or people, is critical to your success as a leader in your profession and within ACS. This course provides leaders with a stepwise process to lead change and guide committee members, division members, and local section members more effectively through the change process for greater results and efficiency.

**Leading without Authority.** Tuesday, March 24, 1 to 5 PM, Hilton. Leading in a volunteer organization comes with many challenges, not the least of which is having no direct authority over the volunteer members. Therefore, leaders need to be able to engage and influence members to get things done even when they may be putting up barriers or expressing different viewpoints. Learn practical tools to help you gain cooperation without formal authority and motivate your committee, local section, or division members to accomplish important society goals.

**Developing Communication Strategies** (formerly known as Communicating outside the Society). Wednesday, March 25, 1 to 5 PM, Hilton. As a senior leader within ACS governance, you will encounter an increasing number of opportunities to represent the society to outside parties, stakeholders, and media, often under pressure and in highly visible situations. This level of communication requires a higher understanding of communications to ensure the best representation possible. This interactive course introduces executive-level communications where participants learn how to skillfully communicate new insights, keep others informed, and report on new endeavors.

## ACS SHORT COURSES

**THE FOLLOWING** ACS professional development courses have a separate course fee and require registration. Early registration and group discounts are available: Register five people for one course, one person for five courses, or any combination in between and your fifth registration is free. (**NOTE:** This discount is available only if you register by **fax, mail, or phone** and **mention this discount.** May not be combined with any other offer.)

Early registration rates: one-day courses,

two-day courses, \$1,295; three-day courses, \$1,795. Early registration ends on Feb. 23. Advanced registration rates: one-day courses, \$895; two-day courses, \$1,395; three-day courses, \$1,895. Advanced registration ends on March 7. Standard registration rates: one-day courses, \$995; two-day courses, \$1,495; three-day courses, \$1,995. Some two-day courses require the purchase of a book in addition to the registration fee. See the individual course pages for more details.

Register for a short course in Salt Lake City, obtain course details, or view a full course catalog online at [www.acs.org/shortcourses](http://www.acs.org/shortcourses); phone (202) 872-4508; fax (202) 872-6336; e-mail: [continuing\\_education@acs.org](mailto:continuing_education@acs.org).

### BIOLOGICAL/PHARMACEUTICAL/MEDICINAL CHEMISTRY

**Chemical Toxicology: A Chemist's Roadmap To Reduce Bioactivation Liabilities in Drug Candidates,** March 21

**Druglike Properties in Drug Discovery,** March 25–26

**Introduction to Drug Metabolism: Role and Practice in Drug Discovery and Development,** March 22–23

### CHROMATOGRAPHY

**Fundamentals of High-Performance Liquid Chromatography,** March 25–26

### ENGINEERING

**Chemical Engineering and Process Fundamentals for Chemists,** March 21–22

### INTELLECTUAL PROPERTY

**Practical Approaches to Patents and Other Forms of Intellectual Property,** March 22

### MANAGEMENT/BUSINESS/PROFESSIONAL DEVELOPMENT

**Effective Supervision of Scientists and the Technical Staff,** March 23–24

**Effective Technical Writing,** March 23–24

**Practical Approaches to Patents and Other Forms of Intellectual Property,** March 22

**Project Management for Technical Professionals,** March 21–22

### ORGANIC/PHYSICAL CHEMISTRY

**Dispersion in Liquids: Suspensions, Emulsions, and Foams,** March 21–22

**NMR Spectral Interpretation and Organic Spectroscopy: A Problem-Based Learning Approach,** March 25–26

**Recent Developments in Organic Synthesis**, March 23–24

#### **POLYMER CHEMISTRY**

**Polymer Chemistry**, March 21–23

**Polymeric Coatings**, March 23–24

#### **QUALITY/REGULATORY/COMPLIANCE**

**Laboratory Notebooks**, March 23–24

#### **SPECTROMETRY**

**NMR Spectral Interpretation and Organic Spectroscopy: A Problem-Based Learning Approach**, March 25–26

#### **STATISTICS/EXPERIMENTAL DESIGN/CHEMOMETRICS**

**Experimental Design for Productivity and Quality in Research and Development**, March 25–26

**Statistical Analysis of Laboratory Data**, March 23–25

## **ACS CAREER FAIR**

**EMPLOYMENT SERVICES.** ACS provides opportunities for employers to recruit top scientific talent online and on-site at the ACS Career Fair during the meeting. The Career Fair is where employers can promote their company and meet job seekers to discuss employment opportunities. Job seekers can attend a variety of workshops, participate in mock interviews, and make appointments for individual résumé reviews.

The Career Fair will be located in Hall 4 of the Convention Center, Sunday, March 22, through Tuesday, March 24, from 8 AM to 5:30 PM, and on Wednesday, March 25, from 8 AM to noon. It is open to ACS members and national and student affiliates. All job seekers and employers must sign up online at [www.acs.org/careers/jobseekers](http://www.acs.org/careers/jobseekers) between Jan. 26 and March 25 to participate.

**JOB SEEKER SIGN-UP.** The Career Fair database allows job seekers to sign up and manage their account, keep track of changes to their schedule, and communicate with employers, completely online. Using the database, job seekers can do the following:

- Maintain a personal calendar.
- Search job postings by field of specialization, work function, education level, or employer.
- Request interviews.
- View interviews scheduled by employers.
- Have notices sent to a personal e-mail account.

■ Get information about jobs and employers before the meeting.

Job seekers who sign up by **March 5** will receive a confirmation packet that will include their yellow ACS Career Fair ID card prior to the national meeting. Those who sign up after **March 5** must pick up their ID card at the ACS Career Fair Information Booth located in Hall 4 of the Convention Center. **All job seekers must register for the national meeting. A national meeting registration badge must be visible to enter all ACS Career Fair areas.**

Members who have had their membership status changed to receive a 2009 unemployment dues waiver and enter their membership number during registration are eligible for a waiver on registration fees for the national meeting. Please direct questions about your membership status to ACS Member & Subscriber Services at (800) 333-9511 (U.S. only), (614) 447-3776 (outside the U.S.), or e-mail: [service@acs.org](mailto:service@acs.org).

**EMPLOYER SIGN-UP.** The ACS Career Fair database allows employers to sign up and manage their accounts, schedule interviews, and keep track of schedule changes. Using the database, employers can do the following:

- Maintain a personal calendar.
- Search résumés across a number of criteria.
- Set up interviews.
- Send/receive e-mail.
- Have notices sent to a private e-mail account.
- Track interview activity.
- Collect statistics on postings and interviews.

Employers who want to maximize exposure to their company can purchase both display space in ACS Careers Recruiters Row at a discounted rate of \$950 and obtain prime time in the Recruiters Presentation Area to give a 60-minute presentation on their company for \$250 in the Career Fair hall. Employers can only qualify for Recruiters Row and the Recruiters Presentation Area by purchasing an interview package. Because of limited space, the additional packages will be assigned on a first-come, first-served basis. To register or to obtain additional information regarding these specials, contact Garretta Rollins of the ACS Department of Career Management & Development at (202) 872-6209 or (800) 227-5558 ext. 6209; e-mail: [g\\_rollins@acs.org](mailto:g_rollins@acs.org).

Employers who sign up by **March 5** will receive a confirmation packet containing

their blue ACS Career Fair ID card prior to the national meeting. Those who sign up after **March 5** must pick up their ID card at the ACS Career Fair Information Booth located in Hall 4 of the Convention Center. For additional information, please visit [www.acs.org/careers](http://www.acs.org/careers).

To cancel your Career Fair registration, you must notify the Career Management & Development Office by sending an e-mail to [g\\_rollins@acs.org](mailto:g_rollins@acs.org) on or before March 2. Cancellation of a purchased package will result in a \$600 minimum charge for access to the ACS Career Fair database, which will be deducted from the total cost of the package purchased by the registrant. ACS assumes no responsibility for the qualifications of prospective job seekers. For more information, please contact us at (202) 872-6209.

**OTHER CAREER RESOURCES.** The ACS Career Fair also provides one-on-one career assistance and a variety of professional and career development workshops.

**One-on-One Career Assistance.** Individual half-hour appointments with a career consultant are available for the purpose of reviewing your résumé or curriculum vitae, conducting practice interviews, and discussing other career-related matters. Please bring a copy of your résumé or CV to all appointments. All sessions with career consultants will be held in the Résumé Review/Mock Interview Area of Hall 4. Sign-up will begin at 9:30 AM on Sunday, March 22.

#### **PROFESSIONAL DEVELOPMENT**

**WORKSHOP SCHEDULE.** All workshops will be held at the Marriott Downtown.

**Important:** Workshop times are subject to change. Please consult the Web version of the workshop schedule at [www.acs.org/careers](http://www.acs.org/careers) or the ACS Career Fair on-site brochure for final times.

### **SUNDAY, MARCH 22**

**Mock Interview Demonstration**, 10 to 11:15 AM

**Preparing a Résumé**, 10 to 11:15 AM; 2:30 to 3:45 PM

**Effective Interviewing**, 11:30 AM to 12:45 PM; 4 to 5:15 PM

**First Year on the Job: Academic**, 1 to 2 PM

**Planning Your Job Search**, 2 to 2:15 PM

**First Year on the Job: Industry**, 2:30 to 3:30 PM

**Postdoctoral Research: Why and How?** 4 to 5:15 PM



**MONDAY, MARCH 23**

**Planning Your Job Search**, 8:30 to 9:45 AM; 1 to 2:15 PM  
**Mock Interview Demonstration**, 8:30 to 9:45 AM  
**Preparing a Résumé**, 10 to 11:15 AM; 2:30 to 3:45 PM  
**Foreign-National Scientists: Obtaining a Job in the U.S.**, 10 to 11:30 AM  
**Academic Application Package**, 1 to 2 PM  
**Writing Excellent ACS PRF Proposals**, 2:30 to 3:45 PM  
**Academic On-site Interview**, 4 to 5 PM  
**Effective Interviewing**, 4 to 5:15 PM

**TUESDAY, MARCH 24**

**Planning Your Job Search**, 8:30 to 9:45 AM; 1 to 2:15 PM  
**Mock Interview Demonstration**, 8:30 to 9:45 AM; 1 to 2:15 PM  
**Preparing a Résumé**, 10 to 11:15 AM; 2:30 to 3:45 PM  
**Patents and Intellectual Property**, 10 to 11:30 AM  
**Effective Interviewing**, 11:30 to 12:45 PM; 4 to 5:15 PM  
**Navigating the Federal Employment Process**, 2:30 to 5:30 PM

**WEDNESDAY, MARCH 25**

**Planning Your Job Search**, 8:30 to 9:45 AM  
**Jobs in Industry**, 8:30 to 9:45 AM  
**Jobs in Academia**, 10 to 11:15 AM  
**Preparing a Résumé**, 10 to 11:15 AM  
**Effective Interviewing**, 11:30 AM to 12:45 PM

**OTHER CAREER-RELATED TECHNICAL PROGRAMMING.** Many ACS committees and divisions sponsor programs related to career development. Please consult the online technical program at [www.acs.org/saltlakecity2009](http://www.acs.org/saltlakecity2009) or the on-site program distributed during the meeting for locations and final details.

**EXPOSITION**

**NOW OPEN SUNDAY THROUGH WEDNESDAY.** Visit the ACS National Exposition in Halls B–E of the Salt Palace Convention Center, Sunday, March 22, from 6 to 8:30 PM; Monday and Tuesday, March 23–24, 9 AM to 5 PM; and Wednesday, March

25, 9 AM to 2 PM. For additional information visit [www.acs.org/saltlakecity2009](http://www.acs.org/saltlakecity2009).

Join us for the ACS National Exposition Opening Reception on Sunday from 6 to 8:30 PM, immediately following the Presidential Keynote Address, for food and entertainment and to meet our exhibitors. It is cosponsored by ACS Publications, CAS, and C&EN.

**Product Research.** Companies will showcase services, instruments, books, computer hardware, scientific software, and a wide array of chromatographic, lab and safety equipment. Technical personnel will also be available to give demonstrations, answer questions, and discuss your specific needs and interests.

**Internet & Technology.** Attendees can utilize free Internet access at the Meeting Mail terminals located in the exposition. Laptop Lane, with ports for laptop hookup, will also be available on the show floor.

**Free Exhibitor Workshops & Special Events.** Exhibiting companies will host free workshops at the Convention Center and present sessions inside the Exposition's Special Events Pavilion.

**Prize Booths & Special Offers.** All attendees can participate in prize drawings to win a \$50 gift card, experience aromatherapy and virtual gaming, and win this year's hottest tech toys at the Daily Prize Raffle: Joseph Priestley Oxygen Bar and Technology Lane.

**Exhibitor Awards.** Attendees can place their selection for the Most Engaging Exhibitor and Best Booth Design. Winners will be announced after the meeting, and several attendees will receive a prize as a thank you for participating. Look inside your meeting credentials for your entry form.

**Virtual Exposition.** Visit the Online Exhibitor Directory at [www.acs.org/saltlakecity2009](http://www.acs.org/saltlakecity2009) to obtain a list of exhibitors, learn more about their products and services, view booth offerings and special events, and prepare a customized floor plan to maximize your exposition experience.

**Admission Requirements & Expo-Only Registration.** Exposition admission is complimentary for all meeting registrants; however, you are required to wear your badge. Individuals who want to visit the exhibits without registering for the technical component of the meeting can obtain an expo-only badge for \$40. Students with school identification can obtain an expo-only badge for \$15. Registration can be handled online, by mail, or in person at ACS Attendee Registration.

**GOVERNANCE MEETINGS****BOARD & COUNCIL MEETINGS**

**ACS BOARD OF DIRECTORS.** The ACS Board of Directors meeting, open to members who wish to observe, will be held in the Grand America Hotel, from 10 AM to 12:30 PM, on Sunday, March 22.

**ACS COUNCIL.** The ACS council meeting will begin at 8 AM, Wednesday, March 25, in the Grand America Hotel. Councilors are asked to check in beginning at 7 AM. Space will be available for ACS members and non-members to observe the council in action. Alternate councilors and division and local section officers are urged to attend.

**COMMITTEE AGENDA**

For open and executive meeting agenda, visit [www.acs.org/spring2009agenda](http://www.acs.org/spring2009agenda).

**THE COMMITTEE ON COMMITTEES** has clarified the three types of committee meetings.

**OPEN**—May be attended by any ACS member. At these sessions members are encouraged to voice concerns, issue compliments, offer suggestions, 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.

**EXECUTIVE**—Attendance and participation is limited to committee personnel (officially appointed/elected committee members, associates, advisers, consultants, staff liaisons). Liaisons from other groups and ex officio and elected councilors may attend; participation by these groups would be at the invitation of the chair. Only committee members may vote.

**CLOSED**—The committee chair must declare any EXECUTIVE session CLOSED when confidential or sensitive personnel, financial, or legal matters of the society are discussed. At that point, only committee per-



sonnel (see above) and the appointed Committee on Committees' liaison may remain in the session. As a special case, an appointed liaison from Nominations & Elections may attend CLOSED sessions of the Committee on Committees. (Once these discussions have been completed, the committee should return to the EXECUTIVE mode.)

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### BUDGET & FINANCE

Dennis Chamot, chair; National Research Council; 500 Fifth St. N.W., Washington, DC 20001

Open Meeting  
**Saturday, March 21, 8 AM to noon**  
Grand America

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### CHEMICAL ABSTRACTS SERVICE

Patricia L. Dedert, chair; ExxonMobil Research & Engineering Co., 1545 Route 22E, Clinton Township, Annandale, NJ 08801-0998

Open Meeting  
(Joint with CINF and the Joint-Board Council Committee on Publications)  
**Monday, March 23, 4:30 to 5:30 PM**  
Salt Palace Convention Center

Executive Session  
**Friday, March 20, 7 to 9 PM**  
Grand America

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### CHEMICAL SAFETY

Laurence Doemeny, chair; 4922 Armin Way, San Diego, CA 92115-1002

Combined Open Meeting and Executive Session  
**Monday, March 23, 8 AM to noon**  
Hilton

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### CHEMISTS WITH DISABILITIES

Judith A. Summers-Gates, chair; 4604 Arndell Ave., Philadelphia, PA 19114-3908

Combined Open Meeting and Executive Session  
**Monday, March 23, 8:30 AM to 4:30 PM**  
Grand America

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### COMMITTEES

Les W. McQuire, chair; 17 Crown Dr., Warren, NJ 07059-5111

Open Executive Session  
**Monday, March 23, 1 to 2:30 PM**  
Grand America

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### COMMUNITY ACTIVITIES

Ingrid Montes, chair, Department of Chemistry, University of Puerto Rico, Rio Piedras Campus, Box 23346, San Juan, PR 00931-3346

Executive Session  
**Saturday, March 21, 4 to 9 PM**  
Little America

Open Reception and Open Meeting  
**Tuesday, March 24, 1:30 to 2 PM**  
and **2 to 3 PM**  
Little America

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### CONSTITUTION & BYLAWS

Alam M. Ehrlich, chair; Stein McEwen & Bui LLP, 7415 Democracy Blvd., No. 205, Bethesda, MD 20817-1205

Open Meeting  
**Sunday, March 22, 1 to 1:30 PM**  
Grand America

Executive Session, Meeting "A"  
**Sunday, March 22, 8 AM to 1 PM**  
and **1:30 to 5 PM**  
Grand America

Executive Session, Meeting "B"  
**Wednesday, March 25, noon to 4 PM**  
Grand America

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### CORPORATION ASSOCIATES

Roslyn L. White, chair; S. C. Johnson & Son Inc., 1525 Howe St., Racine, WI 53403

Open Meeting  
**Monday, March 23, 8:30 AM to noon**  
Hotel Monaco

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### COUNCIL POLICY

Thomas R. Gilbert, vice chair; 22 Castle Rd., Norfolk, MA 02056

Open Meeting  
**Tuesday, March 24, 9:30 AM to noon**  
Grand America

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### DIVISIONAL ACTIVITIES

Kevin J. Edgar, chair; Virginia Tech, Blacksburg, VA 24016

Combined Open Meeting and Executive Session  
**Saturday, March 21, 8 AM to noon**  
Salt Palace Convention Center

Multidisciplinary Program Planning Group  
**Saturday, March 21, 2 to 4 PM**  
Salt Palace Convention Center

Combined Open Meeting and Executive Session  
**Sunday, March 22, 7:30 AM to noon**  
Salt Palace Convention Center

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### ECONOMIC & PROFESSIONAL AFFAIRS

Martin L. Gorbaty, chair; Fuels Science Consulting LLC; 204 Twin Oaks Terrace, Westfield, NJ 07090

Executive Session  
**Saturday, March 21, 8 AM to 5:50 PM**  
Grand America

Open Executive Session  
**Sunday, March 22, 9 AM to noon**  
Grand America

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### EDUCATION

Bryan Balazs, chair; Lawrence Livermore National Laboratory; Mail Code L-170; Livermore, CA 94550

Open Meeting  
**Monday, March 23, 3 to 4 PM**  
Grand America

Executive Session  
**Friday, March 20, 8:30 AM to 5 PM**  
Grand America

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### ENVIRONMENTAL IMPROVEMENT

Martin Abraham, chair; STEM College, Youngstown State University, 1 University Plaza, Youngstown, OH 44555-0002

Combined Open Meeting and Executive Session  
**Saturday, March 21, 4 to 6 PM**  
Grand America

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### ETHICS

David J. Chesney, chair; Department of Chemistry, Michigan Technology University, 1400 Townsend Dr., Houghton, MI 49931

Open Meeting  
**Sunday, March 22, 11 AM to 5 PM**  
Grand America

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### INTERNATIONAL ACTIVITIES

Peter Dorhout, chair; MC 1005-204 Student Services Bldg., Colorado State University, Fort Collins, CO 80523-1005

Open Executive Session  
**Saturday, March 21, 1 to 5 PM**  
**Grand America**

### LOCAL SECTION ACTIVITIES

Wayne E. Jones Jr., chair; SUNY Binghamton, Vestal Pkwy. East, P.O. Box 6000; Binghamton, NY 13902

Open Meeting  
**Tuesday, March 24, 3 to 4 PM**  
**Little America**

Executive Session  
**Sunday, March 22, 8 AM to noon**  
**Little America**

### MEETINGS & EXPOSITIONS

Willem R. Leenstra, chair; Department of Chemistry, University of Vermont, 82 University Pl., Burlington, VT 05405-0125

Executive Session  
**Saturday, March 21, 1 to 5 PM**  
**Salt Palace Convention Center**

Combined Open Meeting and  
 Executive Session  
**Sunday, March 22, 7:30 AM to noon**  
**Salt Palace Convention Center**

### MEMBERSHIP AFFAIRS

D. Richard Cobb, chair; 15-C Greenleaf Meadows, Rochester, NY 14612-4338

Open Meeting  
**Monday, March 23, 1 to 2 PM**  
**Grand America**

Executive Session  
**Saturday, March 21, 8:30 AM to 5 PM**  
**Sunday, March 22, 8:30 to 11:30 AM**  
**Grand America**

### MINORITY AFFAIRS

Allison Aldridge, chair; Mikart Inc., 1750 Chattahoochee Ave., Atlanta, GA 30318

Executive Session  
**Sunday, March 22, 7 AM to 5 PM**  
**Grand America**

Open Meeting  
**Sunday, March 22, 6:30 to 8:30 PM**  
**Grand America**

### NOMENCLATURE, TERMINOLOGY & SYMBOLS

Peter Rusch, chair; 162 Holland Ct., Mountain View, CA 94040-3864

Executive Session  
**Monday, March 23, 2 to 5 PM**  
**Embassy Suites**

### NOMINATIONS & ELECTIONS

Frank D. Blum, chair; Department of Chemistry, Missouri University of Science & Technology, 142 Schrenk Hall, Rolla, MO 65409-0010

Open Meeting  
**Monday, March 23, 11 AM to noon**  
**Grand America**

### PATENTS & RELATED MATTERS

Andrew G. Gilicinski, chair; Clorox Co.; P.O. Box 493; Pleasanton, CA 94566-0803

Open Meeting  
**Saturday, March 21, 9 AM to 5 PM**  
**Grand America**

### PROFESSIONAL TRAINING

Cynthia Larive, chair; Department of Chemistry, University of California, Riverside, CA 92521-0001

Open Meeting  
**Sunday, March 22, noon to 1 PM**  
**Hilton**

### PROJECT SEED

Joshua Pak, chair; Department of Chemistry, Idaho State University, 021 South 8th Ave, CB 8023, Pocatello, ID 83209

Open Meeting  
**Sunday, March 22, 10:30 to 11:30 AM**  
**Grand America**

Executive Session  
**Saturday, March 21, 11 AM to 9 PM**  
**Grand America**

### PUBLICATIONS

John N. Russell Jr., chair; Naval Research Laboratory, Surface Chemistry Branch Code 6170, 4555 Overlook Ave., S.W., Washington, DC 20375-5342

Open Meeting  
 (Joint with CINF and  
 Joint Board-Council Committee on  
 Chemical Abstracts Service)  
**Monday, March 23, 4:30 to 5:30 PM**  
**Salt Palace Convention Center**

Executive Session  
**Friday, March 20, 1 to 5 PM**  
**Grand America**

## COUNCIL POLICY COMMITTEE

The Council Policy Committee will open the floor during its meeting on Tuesday, March 24 at 11 AM to councilors who would like to bring to the committee issues of concern to them and/or their local sections or divisions. Please contact Thomas Gilbert, vice chair of CPC, for further information. He can be reached at t.gilbert@neu.edu.

### SCIENCE

Carolyn Ribes, chair; Dow Benelux BV, P.O. Box 48, 4530 AA, Terneuzen, the Netherlands

Open Meeting  
**Saturday, March 21, 9 AM to 5 PM**  
**Grand America**

### TECHNICIAN AFFAIRS

V. Michael Mautino, chair; Bayer MaterialScience LLC, 100 Bayer Rd., Bldg. No. 1, Pittsburgh, PA 15205-9741

Open Meeting  
**Sunday, March 22, 2 to 3 PM**  
**Marriott Downtown**

Executive Session  
**Sunday, March 22, 9 AM to 2 PM**  
**Marriott Downtown**

### WOMEN CHEMISTS

Dawn Brooks, chair; 10762 Forest Lake Ct., Indianapolis, IN 46278

Open Meeting  
**Saturday, March 21, 5 to 6 PM**  
**Salt Palace Convention Center**

Executive Session  
**Saturday, March 21, 8 AM to 5 PM**  
**Salt Palace Convention Center**

### YOUNGER CHEMISTS

Michael Hurrey, chair; Vertex Pharmaceuticals, 130 Waverly St., Cambridge, MA 02139

Executive Session  
**Sunday, March 22, 8 AM to noon**  
**Sheraton**

Open Meeting  
**Sunday, March 22, 4:30 to 6 PM**  
**Sheraton**