

GENERAL MEETING INFORMATION

YOUR MEETING REGISTRATION entitles you to a wide range of programming, including 929 scientific sessions, invited symposia, poster sessions, special lectures and events, award presentations, workshops, and the exposition. Interact with chemical scientists from around the world by participating in social events, networking opportunities, exhibitor sessions, and educational activities, with many events offered at no additional charge. Certain workshops, short courses, and ticketed events require a separate entry fee, as indicated in this program.

**EARLY REGISTRATION:
UP TO FEB. 9**

**STANDARD REGISTRATION:
FEB. 10–MARCH 25**

**ON-SITE ATTENDEE REGISTRATION:
Moscone Center**

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. 9 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. 9 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 19 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/sanfrancisco2010 before March 19. 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 19 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 80 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. 9 only.

On-site. Register during the meeting at ACS Attendee Registration at standard registration rates. ACS Attendee Registration will be open at the Moscone Center, North Building Lobby, on Saturday, 3 to 6 PM; Sunday, 7:30 AM to 8:30 PM; Monday, 7:30 AM to 10 PM; Tuesday and Wednesday, 7:30 AM to 6:30 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 any other payment (such as 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. **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. Service representatives can be reached at (800) 251-8629 (U.S./Canada only); (508) 743-0192 (international); fax (508) 759-4552; e-mail: acs@cdsreg.com; or ACS registration, c/o CDS, 107 Waterhouse Rd., Bourne, MA 02532.

Registration Cancellations/Refunds.

All cancellations and refund requests must be submitted in writing by March 18 to guarantee the registrant 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. All refunds will be issued via the original payment method, and refunds will be processed within 30 days after the meeting. Send your request to ACS Registration Cancellation, c/o CDS, 107 Waterhouse Rd., Bourne, MA 02532 or fax (508) 759-4552 (save your fax confirmation sheet).

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. 9	STANDARD AFTER FEB. 9
MEMBERS		
ACS member or society affiliate	\$350	\$420
Postdoctoral member	350	420
Emeritus or retired member	175	210
50-year member	No Fee	No Fee
Unemployed member (Dues waiver required)	No Fee	No Fee
Precollege teacher	95	95
Graduate, less than postdoctoral	175	175
Undergraduate	95	95
One-day registrant	175	210
NONMEMBERS		
Chemical scientist	\$620	\$745
Postdoctoral scientist	620	745
Visitor: Nonchemical scientist or chemical technician	350	420
Precollege teacher	95	95
Graduate, less than postdoctoral	350	350
Undergraduate	175	175
One-day registrant	350	420
Guest of registrant ^a	45	45
EXPOSITION-ONLY VISITORS		
Adult, exposition only	\$45	\$45
Student, exposition only	20	20

^a 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 membership 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 can be found 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.

Nonmember Registration. Save money on discounted registration fees by joining ACS. You can join ACS now through the online ACS membership application at www.acs.org/join or by contacting ACS Member Services and then registering for the meeting at your member rate. To receive your meeting discount, you must join the society before you register for the meeting. New memberships or questions about membership status should be handled through ACS Member Services at (800) 333-9511 (U.S. only); (614) 447-3776 (outside the U.S.); or e-mail: 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. Press badges may be picked up with valid media credentials from the Press Room of the Moscone Center, South Building Lobby. For more information, visit www.acs.org/pressroom.

EXPO-ONLY ADMISSION. All meeting attendees with a valid badge receive complimentary admittance into the exposition as part of their registration. Individuals who

YOU REGISTER, ACS GIVES

Register for the 2010 fall and spring national meetings and ACS will donate to the Green Chemistry Institute and ACS Fellows. Participants are eligible to win attractive prizes. Visit www.acs.org/sanfrancisco2010 for details.

want to visit the exposition without registering for the meeting's technical sessions can register for an Expo-Only adult badge for \$45 or \$20 for students with school identification. Register online or in person at ACS Attendee Registration.

EXHIBITOR REGISTRATION. Exhibitor registration is handled exclusively through ACS National Expositions at www.acs.org/expositions.

CAREER FAIR EMPLOYER REGISTRATION. ACS Career Fair Employer registration is handled exclusively through ACS Careers at www.acs.org/careers.

TICKETED EVENTS

A VARIETY of social ticket and special events will be held by 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/sanfrancisco2010.

The following social and special events require purchase of a ticket (event number in red), which can be purchased through Attendee Registration beginning on Monday, Feb. 1. Tickets will remain on sale until the evening 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 Thursday, March 18. No tickets will be refunded after that date.

SUNDAY, MARCH 21

CHED High School-College Interface Luncheon/SE-01/\$45

(Included at No Charge with High School Teacher Registration)
Noon to 1 PM, PARC 55

Colorado State University Alumni Hour/SE-02/\$15

5:30 to 7 PM, InterContinental San Francisco

NCTA Award Dinner/SE-03/\$45

6 to 9 PM, Grand Hyatt

MONDAY, MARCH 22

Women in Industry Breakfast/SE-04/\$38 (regular)/SE-05/\$16 (student)

7:30 to 9 AM, Marriott Marquis

MEETING INFO ON THE WEB

Registration, housing, technical programming, special events, participating exhibitors, and other meeting details are available at www.acs.org/sanfrancisco2010.

Committee on Minority Affairs Reception & Luncheon/SE-06/\$55

11:30 AM to 1 PM, Marriott Marquis

CHAL Luncheon/SE-07/\$40

Noon to 1:30 PM, W San Francisco

Corporation Associates Awards Luncheon/SE-08/\$35

Noon to 1:30 PM, InterContinental San Francisco

Purdue Chemistry Alumni Luncheon/SE-09/\$15

Noon to 1:30 PM, InterContinental San Francisco

Grady-Stack Award Reception Honoring Ron Seely/SE-10/\$10

6 to 8 PM, Bistro Boudin, 160 Jefferson St.

Chinese-American Chemical Society Social Hour & Dinner/SE-11/\$40

5:30 to 9:00 PM, Empress of China Restaurant, 838 Grant Ave., 5th Floor. Keynote speaker: Professor Binghe Wang, Department of Chemistry and Center for Biotechnology & Drug Design, Georgia State University, Atlanta, "From Drug Discovery to Carbohydrate Recognition: A Journey and Lessons Learned"

TUESDAY, MARCH 23

Senior Chemists Breakfast/SE-12/\$15

7:30 to 9 AM, Marriott Marquis

University of Minnesota Alumni & Friends Breakfast/SE-13/\$5.00

7:30 to 9:30 AM, Moscone Center

MEDI Lunch-n-Learn/SE-14/\$15

11:30 AM to 2 PM, Moscone Center

CINF Luncheon/SE-15/\$15

Noon to 1:30 PM, Moscone Center

Women Chemists Committee Luncheon/SE-16/\$58 (regular)/SE-17/\$29 (student)

Noon to 1:30 PM, Marriott Marquis

PRELIMINARY PROGRAM



ACS
Chemistry for Life™

ADVANCE REGISTRATION FORM
AMERICAN CHEMICAL SOCIETY • 239TH NATIONAL MEETING & EXPOSITION
MARCH 21 - 25, 2010 • SAN FRANCISCO, CA

4 ways to register: (see Registration Procedures)

Online: <http://www.acs.org/sanfrancisco2010> (credit cards only).
Phone: 508-743-0192 or 800-251-8629, Monday - Friday, 9 AM to 5 PM EST (credit cards only) by March 19, 2010.
Mail: completed form with payment to: ACS Registration c/o CDS, 107 Waterhouse Road, Bourne, MA 02532 by February 9, 2010.
Fax: completed form with payment to: 508-759-4552 (credit cards only) by March 19, 2010.

REGISTRANT INFORMATION

Dr. Prof. Mr. Ms. Mrs. ACS Membership # _____ (Required for member discount)

First Name _____ Last Name _____ Title _____

Company/Institution/Agency _____

Street Address _____

City _____ State/Province _____ Zip/Postal Code _____ Country _____

Phone _____ Ext. _____ Fax _____ E-mail Address _____

Emergency Contact Name _____ Emergency Contact Number _____

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 _____

DEMOGRAPHICS

- 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 _____	
5. Is this your first ACS National Meeting? Yes No
6. Where are you staying (or planning to stay) during the meeting?
Hotel _____ Other _____

REGISTRATION CATEGORIES & FEES

ACS Members	EARLY from December 21	STANDARD after February 9
<input type="checkbox"/> ACS member or Society affiliate	\$350	\$420
<input type="checkbox"/> Postdoctoral	\$350	\$420
<input type="checkbox"/> Emeritus or retired	\$175	\$210
<input type="checkbox"/> 50-year	No Fee	No Fee
<input type="checkbox"/> Unemployed (dues waiver required)	No Fee	No Fee
<input type="checkbox"/> Graduate student	\$175	\$175
<input type="checkbox"/> Undergraduate Student	\$95	\$95
<input type="checkbox"/> Precollege teacher	\$95	\$95
<input type="checkbox"/> One day member registrant	\$175	\$210
	<input type="checkbox"/> Su <input type="checkbox"/> M <input type="checkbox"/> Tu <input type="checkbox"/> W <input type="checkbox"/> Th	

Non-Members	EARLY	STANDARD
<input type="checkbox"/> Chemical scientist	\$620	\$745
<input type="checkbox"/> Postdoctoral scientist	\$620	\$745
<input type="checkbox"/> Visitor: Non-chemical scientist	\$350	\$420
<input type="checkbox"/> Visitor: Chemical technician	\$350	\$420
<input type="checkbox"/> Graduate Student	\$350	\$350
<input type="checkbox"/> Undergraduate Student	\$175	\$175
<input type="checkbox"/> Pre-College Teacher	\$95	\$95
<input type="checkbox"/> One-day registrant	\$350	\$420
	<input type="checkbox"/> Su <input type="checkbox"/> M <input type="checkbox"/> Tu <input type="checkbox"/> W <input type="checkbox"/> Th	
<input type="checkbox"/> Guest of Registrant (1)	\$45	\$45

(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 _____

Exposition Visitors

<input type="checkbox"/> Adult	\$45	\$45
<input type="checkbox"/> Student	\$20	\$20

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)

Credit Card Type: VISA MasterCard American Express Diners

By signing below, the credit card holder agrees to pay the charges listed above in order to participate in the 239th ACS National Meeting in San Francisco, CA.

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 9, 2010, 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 \$ _____

Registrant Procedures US and Canadian attendees who register by February 9, 2010, 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 9, 2010, registrations will continue to be accepted at the Standard rate on-line and by phone or fax (credit card payment only) until March 19, 2010. Mailed registrations will not be accepted after February 9, 2010.

Registration Cancellation/Refund Policy By adhering to the following cancellation procedure, cancellations received by March 18, 2010, 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, 2010.
- Return your unused registration credentials and/or social event tickets to ACS by March 18, 2010. If you cancel before receiving your registration credentials, contact the ACS Registration Customer Service Center for further instructions.
- Refund requests made after March 18, 2010, 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.

COLL Division Luncheon/SE-18/\$30
Noon to 1:45 PM, Moscone Center

ENVR Division Reception/SE-19/\$10
5:30 to 6:30 PM, PARC 55

FUEL/PETR Joint Dinner/SE-20/\$65
6 to 9 PM, Le Colonial, 20 Cosmo Place

**2009 ACS Awards Banquet Ceremony
and General Meeting of the Society/
SE-21/\$130**
6:30 to 10 PM, Marriott Marquis

**CELL Anselme Payen Award Banquet/
SE-22/\$60**
6:30 to 11 PM, The Rotunda at Neiman
Marcus, 150 Stockton St. @ Union Square,
Level 4

TUESDAY & WEDNESDAY MARCH 23 & 24

**Retirewise, 4 to 7 PM each day, Grand
Hyatt. Sponsored by the ACS Member
Insurance Program.**

If you are approaching retirement or want to start planning for retirement, you may be interested in registering for the Retirewise workshop (participants will be expected to attend both sessions). The workshop will be presented during this meeting as a free value-added service for ACS members. The program, developed and presented by Certified Financial Planners from MetLife, will cover important retirement planning issues from investment basics to financial and health risks, income planning, and estate planning. For additional and registration information visit www.acs.org/insurance or call (202) 452-2119.

ACCOMMODATIONS

TAKE ADVANTAGE of special ACS room rates for the San Francisco national meeting by reserving hotel rooms directly through the Housing Connection by Feb. 24. A listing of official hotels with their guaranteed ACS rates and amenities is on page 82. All attendees who reserve their room through the Housing Connection are automatically entered in the ACS Housing Drawing (see ad on page 78 for details).

Late Housing. Some hotels may have rooms available after Feb. 24; a listing of these hotels will be posted on the ACS web-

site. ACS rates and or availability cannot be guaranteed during late housing. Please visit the website (www.acs.org/sanfrancisco2010) for further details on late housing.

On-Site Housing. During the meeting, an on-site housing desk will be available at the Moscone Convention Center in the registration area to assist attendees with last-minute housing changes or needs.

RESERVATION METHODS. All registrants will receive an acknowledgment of their reservation made directly through the ACS Housing Connection. Review this document carefully for accuracy. Each acknowledgment contains a unique number that is proof of your reservation through the ACS Housing Connection. We strongly recommend that you bring your confirmation with you to the meeting. If you lose or do not receive your confirmation, you can obtain another copy online or by contacting the ACS Housing Connection. Published ACS rates apply to hotel stays between March 16 and 27. To extend your stay beyond these dates, you must reserve additional nights directly through the hotel.

Internet. Reserve online at www.acs.org/sanfrancisco2010. Online reservations require a valid credit card, and you will receive an acknowledgment to your e-mail address within 24 hours.

Telephone. Call the Housing Connection at (866) 847-8570 or (801) 505-4140 (international) Monday through Friday, 7 AM to 6 PM, MST. Telephone reservations require a valid credit card, and you will receive an acknowledgment to your e-mail address within 24 hours.

Fax/Mail. Fax the ACS Housing Form (available online) with your valid credit card guarantee to (801) 355-0250. Mail forms with your valid credit card or check for one night's room and tax made payable to ACS Housing, c/o the Housing Connection, 175 South West Temple, Suite 140, Salt Lake City, UT 84101. Faxed and 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.

RESERVATIONS, CHANGES & CANCELLATION POLICY. 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 in-

clude 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 March 9 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 15.56% room and occupancy tax (subject to change).

Reservation changes and cancellations can be made without penalty until Feb. 24. After Feb. 24, individuals may continue to make changes and cancellations through the Housing Connection until March 9; however, canceled reservations may incur a fee that will be charged directly by the hotel. A one-night room and tax charge will be charged by the hotel for reservations that are not canceled 72 hours prior to arrival. Penalties for early departures may be enforced and vary by hotel, so call your hotel for details.

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 (Attn.: Katie Nickel). The Housing Connection 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 block but may be of interest to attendees on a restricted budget. Make your reservations directly with these properties and ask for the listed ACS rate. These properties are not included on the ACS shuttle route; therefore, attendees will be responsible for daily transportation costs.

Holiday Inn San Francisco, 50 Eighth St.

PRELIMINARY PROGRAM

Official Properties for the ACS National Meeting & Exposition in San Francisco FOR BEST AVAILABILITY, MAKE YOUR RESERVATION VIA THE INTERNET

www.acs.org/sanfrancisco2010

OR BY PHONE (866) 847-8570 or (801) 505-4140 for international

ALL RATES INCLUDE COMPLIMENTARY INTERNET

Hotel	Single (1 person)	Double (2 persons)	Triple (3 persons)	Quad (4 persons)											
1. Courtyard Marriott San Francisco Downtown	\$199	\$199	\$209	\$219	4	18	Yes	No	\$45	Yes	Yes	Yes	Yes	Yes	No
2. Grand Hyatt	\$181	\$181	\$206	\$231	4	18	Yes	Yes	\$32/ \$49	Yes	Yes	Yes	Yes	Yes	Yes
3. Handlery Union Square Hotel	\$179	\$179	N/A	N/A	2	13	No	Yes	\$38+	Yes	Yes	No	Yes	Yes	No
4. Hilton San Francisco Union Square	\$191	\$191	\$211	\$231	4	18	Yes	Yes	\$46	Yes	Yes	Yes	Yes	Yes	Yes
5. Hotel Milano	\$149	\$149	\$169	\$189	4	12	No	No	\$35	No	No	Yes	Yes	Yes	Yes
6. Hotel Metropolis	\$129	\$129	\$149	\$169	4	18	No	No	\$35	No	Yes	Yes	Yes	Yes	No
7. Hotel Nikko	\$189	\$189	\$219	\$249	4	18	Yes	Yes	\$45	Yes	Yes	Yes	Yes	Yes	No
8. Hotel Palomar	\$229	\$229	\$249	\$269	4	18	Yes	No	\$45	Yes	Yes	Yes	Yes	Yes	No
9. Hotel Union Square	\$139	\$139	\$159	\$179	4	18	No	No	\$35	Yes	Yes	No	Yes	Yes	No
10. InterContinental San Francisco	\$245	\$245	\$275	\$305	4	17	Yes	No	\$53	Yes	Yes	Yes	Yes	Yes	No
11. Kensington Park Hotel	\$149	\$149	\$169	\$189	4	18	No	Yes	\$35	Yes	Yes	No	Yes	Yes	No
12. Palace Hotel	\$219	\$249	\$289	N/A	3	17	Yes	Yes	\$53	Yes	Yes	Yes	Yes	Yes	No
13. Parc 55	\$195	\$195	\$215	\$235	4	12	Yes	Yes	\$44	Yes	Yes	Yes	Yes	Yes	Yes
14. Powell Hotel	\$132	\$132	\$147	\$162	4	12	No	Yes	\$31	No	Yes	Off-site	Yes	Yes	No
15. Marriott Marquis	\$239	\$239	\$259	\$279	4	17	Yes	No	\$49	Yes	Yes	Yes	Yes	Yes	No
16. Marriott Union Square	\$199	\$199	\$219	\$239	5	16	Yes	Yes	\$46	Yes	Yes	Yes	Yes	Yes	No
17. Sir Francis Drake	\$185	\$185	\$205	\$225	4	18	No	Yes	\$46	Yes	Yes	Yes	Yes	Yes	Yes
18. W Hotel	\$239	\$269	\$299	\$329	4	14	Yes	No	\$45	Yes	Yes	Yes	Yes	Yes	No
19. Westin Market Street	\$229	\$249	\$279	\$309	4	18	Yes	No	\$55	Yes	Yes	Yes	Yes	Yes	No
20. Westin St. Francis	\$209	\$239	\$269	\$299	4	14	Yes	Yes	\$49	Yes	Yes	Yes	Yes	Yes	No

The rates listed above do not include the current 15.565% room and occupancy tax per room per night, which is subject to change.

Maximum occupants per room.	Parking rates are per day, do not include tax, and can change without notice.	Complimentary Internet access.
Children below this age are free in parent's room using existing bedding.	Room service available.	Accessible rooms and accommodations available for persons with disabilities.
Babysitting list available.	Environmentally friendly.	Smoking guest rooms may be available.
ACS shuttle service to Moscone Convention Center.	Health club or fitness room available.	

(415) 626-6103; fax: (415) 552-0184; ACS rate \$169 single/double occupancy.

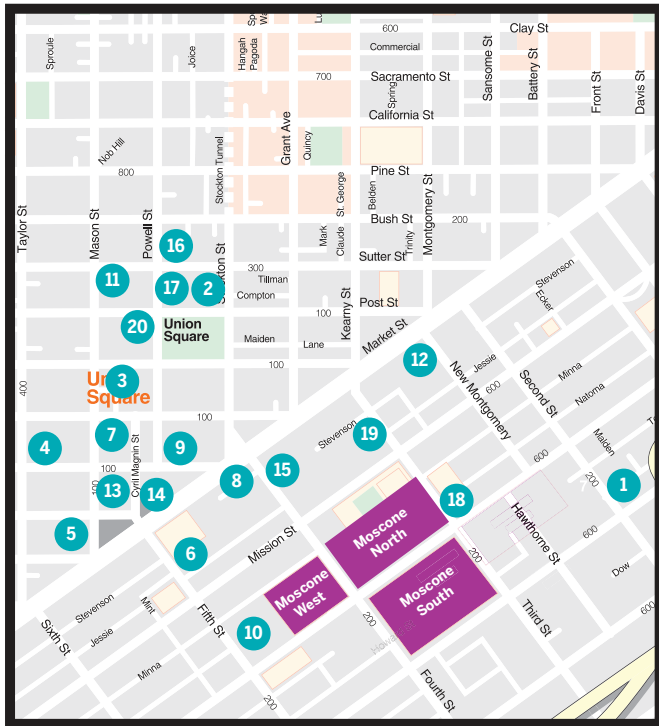
The Mosser Hotel, 54 Fourth St. (415) 986-4400; fax: (415) 495-7653; ACS rate \$149 single/double occupancy.

The Pickwick Hotel, 85 Fifth St. (415) 421-7500; fax: (415) 546-9545; ACS rate \$129 single/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/sanfrancisco2010.

Official Properties in San Francisco



MAP#	HOTEL
1	Courtyard Marriott San Francisco Downtown
2	Grand Hyatt
3	Handlery Union Square Hotel
4	Hilton San Francisco Union Square
5	Hotel Metropolis
6	Hotel Milano
7	Hotel Nikko
8	Hotel Palomar
9	Hotel Union Square
10	InterContinental San Francisco
11	Kensington Park Hotel
12	Palace Hotel
13	Parc 55
14	Powell Hotel
15	San Francisco Marriott Marquis
16	San Francisco Marriott Union Square
17	Sir Francis Drake
18	W
19	Westin San Francisco Market Street
20	Westin St. Francis

uses daylight sensors to control prefunction areas.

- Operates one of the nation's largest municipally owned solar generation installations.
- Uses natural resource management for heating, ventilation, air-conditioning, emissions, lights, carbon dioxide, and electricity.
- Encourages use of the city's public transportation system.
- Uses high-efficiency toilets.

Meeting hotels

- Engage in a robust recycling program.
- Encourage guests to participate in the linen reuse program.
- Utilize high-efficiency lighting.

Note that many official ACS hotels participate in an off-site recycling program, which means that trash is sorted off-site and recyclable items are separated and then recycled.

ENVIRONMENTALLY FRIENDLY INITIATIVES

ACS MEETINGS promotes and supports operational practices that foster sustainability. In 2008, the Committee on Meetings & Expositions proudly implemented its green initiatives by working with its facility and event production partners to support environmentally friendly solutions wherever possible.

The theme for the 239th national meeting, "Chemistry for a Sustainable World," is appropriately matched with the host city of San Francisco. San Francisco is known as home to some of the world's most innovative environmental legislation and initiatives. During the national meeting, attendees will participate in the citywide commitment to sustainability by riding ACS shuttle buses that are operating, for the first time ever, on biodiesel fuel. This experience is exclusive to San Francisco and exemplifies why the city is a trailblazer for sustainability initiatives. Highlights of the sustainability programs from the city, Moscone Center, and ACS meeting hotels are as follows:

City of San Francisco (recipient of the 2008 Governor's Environmental & Economic Leadership Award—California's highest and most prestigious environmental honor)

- In 2007, San Francisco became the first U.S. city to ban plastic shopping bags.
- In 2006, San Francisco became the first city in the U.S. to certify greenhouse emissions.
- All recycling trucks operated by San Francisco run on alternative fuel (either biodiesel or liquefied natural gas), reducing greenhouse emissions by 5,400 tons annually.
- San Francisco's urban compost program is the largest of its kind in the U.S.
- In 2008, the San Francisco Board of Supervisors passed legislation to implement a 10-year solar rebate program for local residents, businesses, and nonprofits.
- In 2007, local restaurants were banned from using polystyrene foam disposable food service ware.

Moscone Convention Center (recipient of the 2009 U.S. Environmental Protection Agency Environmental Award)

- The recycling program diverts nearly 2 million lb of material annually, with nearly 20% of that total as donations to local area nonprofits.
- Captures all food material as well as compostable food service ware and utensils from all concession and catering locations for the food composting program.
- Uses the latest and most energy-efficient lighting fixtures throughout the facility and

In addition to the above environmentally friendly initiatives, ACS exercises the following practices to make national meetings more green:

- 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 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 and guide, and blank paper at all Meeting Mail kiosks and self-registration/printer stations.
- Encouraging attendees to use local transportation.

SHUTTLE SERVICE. ACS will provide shuttle service between hotels and the convention center. All of the buses will operate on biodiesel fuel—a cleaner diesel fuel made from natural, renewable sources.

PARTNER WITH ACS FOR A “GREENER” MEETING. You can reduce your own environmental impact as a meeting attendee. Please consider the following suggestions:

Reduce Waste and Energy Consumption

- Walk between the official ACS hotels and the convention center when possible.
- Unplug your cell phone, laptop, and other portable electronics when not in use.
- Use the Internet to register and reserve your hotel for the meeting.
- Take only what you need from exhibitors inside the ACS National Exposition, and ask them to provide information to you directly by e-mail.

Reuse Materials

- Participate in your hotel’s linen reuse program
- 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 them 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.

Recycle

- Utilize the recycling containers at the convention center to recycle mixed office paper, cardboard, aluminum cans, and glass and plastic bottles marked with 1 or 2 on the bottom.
- 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 public’s awareness and active concern for protecting and improving the quality of human health and the environment. They welcome ACS member input at www.acs.org/committees as they determine how we can, through our own personal actions, work to help sustain the environment.

TRAVEL & TRANSPORTATION

AIRPORT. San Francisco International Airport (SFO, www.flysfo.com) is 14 miles south of downtown San Francisco. It takes approximately 20 to 30 minutes to reach downtown, depending on the time of day and method of transportation.

Ground Transportation at the Airport. Rapid transit, taxicabs, rental cars, and shuttle buses are available at the airport.

Bay Area Rapid Transit (BART). The

San Francisco Bay Area Rapid Transit system (www.bart.gov) connects SFO with downtown San Francisco in approximately 30 minutes for under \$10. The airport’s BART Station is located in the International Terminal and is accessible from all terminals via the SFO AirTrain—the airport’s transportation system. BART trains operate from 4 AM to 11:45 PM weekdays, 6 AM to 11:45 PM on Saturday, and 8 AM to 11:45 PM on Sunday. To access the BART Trip Planner, visit www.mybart.org or www.bart.gov or call (510) 464-7134 for customer service.

Door-to-Door Van Shuttle Services.

Many door-to-door van services operate from all airport terminals to downtown San Francisco; fares average \$10–\$15 per person. Van service is available on a walk-up basis from the airport only. Advance reservations are required for service to the airport and after 11 PM from the airport. Vans are located on the departures/ticketing level from the roadway center island at all terminals. Visit www.flysfo.com/web/page/tofrom/transp-serv/dtd/ to view all van service companies from SFO.

Taxicabs. Taxi service is available from SFO to downtown San Francisco and fares average \$30–\$45 plus a \$2.00 fee on all taxicabs leaving SFO. Uniformed taxi coordinators are stationed at the taxi zones from 7 to 1 AM to assist passengers with questions or concerns. Taxis depart from the designated taxi zones located at the roadway center islands on the arrivals/baggage-claim level of all terminals. By sharing a ride, up to five people can ride for the price of 1 person. Metered rates apply to all destinations.

AUTO RENTAL & AIRLINE DISCOUNTS. ACS has negotiated special airline and auto discounts for the meeting with the following:

American Airlines
(800) 433-1790; online at www.aa.com
Discount code: 9530AJ

Continental Airlines
(800) 468-7022; online at www.continental.com
Discount code: ZGE5C776JJ

United Airlines
(800) 521-4041; online at www.united.com
Discount code: 584OW

TIPS FOR A SAFE STAY IN SAN FRANCISCO

- 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 in open and in well-lit areas at night.
- 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.

Avis

(800) 331-1600; online at www.avis.com
Refer to AWD Code: B923099

Hertz

(800) 654-2240; online at www.hertz.com
Refer to ID Code: CV#02UZ0009

TRAVELING TO MEETING EVENTS. The Moscone Center (747 Howard St., San Francisco, CA 94103; (415) 974-4000; www.moscone.com) and official ACS hotels are centrally located in the heart of San Francisco's downtown district. The center is accessible via the following public transit options:

ACS Shuttle Service. The ACS Shuttle Service will support San Francisco's commitment to sustainability and also fulfill the mission of the meeting theme, "Chemistry for a Sustainable World," by operating at a full-day schedule with 100% of the buses using biodiesel fuel—a cleaner diesel fuel made from natural, renewable sources.

Complimentary shuttle service will be provided between the Moscone Center and official ACS hotels, with the exception of hotels within walking distance. The shuttle will operate from 7 AM to 11:30 PM Sunday to Tuesday, 7 AM to 11 PM on Wednesday and 7 AM to 6 PM on Thursday.

BART or MUNI Metro. Disembark at the Powell St. Station. Exit to 4th and Market Sts. Turn right on 4th. Walk two blocks south to Howard and turn left. Moscone South is on the right and Moscone North on the left. Moscone West is located at 4th and Howard Sts. with a second entrance on Fourth between Howard and Mission.

Caltrain. From the Caltrain Station at 4th and Townsend, catch either the No. 15, No. 30, or No. 45 lines. Disembark at 3rd and Folsom. Walk one block north toward Howard St. Turn left on Howard. Moscone South is on the left and Moscone North on the right. Moscone West is located at 4th and Howard with a second entrance on 4th St. between Howard and Mission.

From North Bay Via Ferryboat to San Francisco. Walk through the Ferry Building and exit onto Embarcadero Blvd. Cross the street to a streetcar platform (facing the Ferry Building). Catch the F-line streetcar and take it from Market St. to 3rd St. and walk down two blocks. The center is on the right, on either side of Howard St. Moscone West is located at 4th and Howard Sts. with a second entrance on 4th between Howard and Mission.

PARKING AT HOTELS AND THE

MOSCONE CENTER. Daily parking is limited and expensive in downtown San Francisco, so utilizing alternative local transit and the ACS shuttle is strongly encouraged. Contact your hotel to confirm their daily parking policies and fees. For a list and map of parking garages around the convention center, visit moscone.com/attendees/directions/parking.shtml.

GETTING AROUND SAN FRANCISCO.

The city has many local transportation options at affordable prices. For all Bay Area transit agencies, and traveler information including weather, traffic conditions, and parking, call TravInfo at (415) 817-1717.

San Francisco Municipal Railway

(Muni). Muni operates 80 routes throughout San Francisco with some routes operating 24 hours a day. The system includes historic streetcars, modern light-rail vehicles, diesel buses, alternative fuel vehicles, electric trolley coaches, and the world-famous cable cars. Muni's fleet is among the most diverse in the world. Visit transit.511.org/accessible for route information and www.sfma.com for a trip planner.

Cable Cars. Cable cars operate along three routes: the Powell-Hyde line which begins at Powell and Market Sts. and terminates at Victorian Park near the Maritime Museum and Aquatic Park; the Powell-Mason line which also begins at Powell and Market but terminates at Bay St. just three blocks from Fisherman's Wharf and the California St. line which runs from the foot of Market St. to Van Ness Ave. For more information, visit www.sfcablecar.com. Cable car fare is \$3.00 each way.

Ferries. Water taxis depart from several points around San Francisco and go to the following destinations: Alameda, Larkspur, Oakland (Jack London Square), Sausalito, Tiburon, and Vallejo. Excursion service also operates between San Francisco and Alcatraz and Angel Islands. For more information, visit www.transitinfo.org.

MEMBER SERVICES

ACS MEMBERSHIP BOOTH. ACS staff will be available to assist you with finding your member number and any other membership questions about the society's programs and services. ACS members receive discounted rates when registering for the meeting. Assistance is also available for members who would like to renew

memberships on-site or complete any adjustments to member records or ACS accounts. Stop by and find out how you can participate in our Member-Get-A-Member Campaign, which offers a 2010 Periodic Table of the Elements throw courtesy of the society for every new eligible paid member recruited. Also, join the ACS Network—an online network of the world's largest scientific society for chemical professionals.

Information is available on a wide variety of personal membership benefits including travel services and ACS credit cards through Bank of America, as well as auto rentals and hotel stays. The ACS Membership Booth will be located in the Moscone Center North Concourse and will be open Saturday, March 20, 3 to 6 PM; Sunday, March 21, through Wednesday, March 24, 7:30 AM to 5 PM; and Thursday, March 25, 7:30 AM to 1 PM.

ACS MEMBER INSURANCE PROGRAM.

Booth No. 1017. The ACS Member Insurance Program is committed to offering quality comprehensive insurance plans and financial security programs to members and their families. Stop by the Member Insurance booth in Moscone Center to hear about our new programs and learn how you can sign up for our plans, including Life and Health Insurance, Auto & Homeowners Plus, Disability Income, Long-Term Care, and Professional Liability.

If you are approaching retirement or want to start planning for retirement, you may be interested in registering for the Retirewise workshop. The workshop will be presented during the meeting as a free value-added service for ACS members. The program, developed and presented by certified financial planners from MetLife, will cover important retirement planning issues from investment basics to financial and health risks, income planning, and estate planning. See the final program for workshop and registration details. For additional information about the ACS Member Insurance Program, visit 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 in order 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/sanfrancisco2010. Use the Meeting Mail terminals located in the Moscone Center. Telephone messages left at the ACS Information Booth 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. Unauthorized taking of pictures of speakers or presentations will result in the confiscation of equipment by ACS staff or session moderator.

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: nationalmeetings@acs.org; fax: (202) 872-4410; or TDD: (202) 872-4557) by Feb. 26 to allow us enough time to fulfill your request. Keep in mind that ACS may not be able to accommodate last-minute requests. If you have an emergency or need immediate assistance during the meeting, contact any ACS Operations Office.

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. Camp ACS (child care) will be available to all meeting attendees free of charge from 8 AM to 6 PM on Sunday, March 21, through Thursday, March 25. At Camp ACS, children three to 16 years

of age can participate in age-appropriate activities including arts and crafts and active games while you enjoy the meeting. To ensure your child's participation, register by March 12 at www.accentoca.com/amerchem10. Please note that for your child's safety, the location of Camp ACS will not be communicated until your registration is confirmed. On-site registration will be accepted on a space-available basis.

MOTHERS ROOM. For your convenience and privacy, ACS will provide a Nursing Station at the Moscone Center. Please see the ACS Operations Office at the Convention Center, South Building Lobby, 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 California and Santa Clara Valley Local Sections and their members in handling local arrangements. Their volunteers have planned many interesting activities; the Host Local Section Center will be located in the Moscone Center.

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. All visa applicants are advised to apply for their visa in their home country as soon as possible. Detailed information for international attendees can be found at www.acs.org/sanfrancisco2010.

INTERNET & 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 throughout the Moscone Center.

LITERATURE & PRODUCT DISTRIBUTION. Promotions, posters, and literature distribution by attendees, exhibitors, or other groups during the meeting must be done within their own contracted meeting space or exhibit booth and not in public meeting space, with the exception of designated marketing opportunities. No one is authorized to place any promotional items in public meeting space except the ACS Operations Office at a given location. Items left in violation of this policy will be removed and discarded. Literature distribution at specific division tables is under the control of that division, and permission must be secured from the division before placing any items on their table.

LUGGAGE & COAT CHECK. A luggage and coat check station will be available during normal registration hours from Saturday through Thursday at the Moscone Center, South Building Lobby. Items left beyond published hours of operation will be turned over to building security at the end of each day.

MEETING OFFICES. The following ACS offices will be located in the Moscone Center:

Attendee Registration: North Building Lobby

Career Fair: 1st Floor Hall, West Building

Exhibitor Registration & Exposition:

Room 106, South Building

Finance Office: North Building Lobby

Host Local Section Center: North Concourse 1

Information Center: North Concourse 1

Member Resource Center: North Concourse 1

Press Center: South Building Lobby

Shuttle Desk: Outside North and South Building Lobbies

THANK YOU

The society thanks the many volunteers who are contributing to the 239th national meeting 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 following offices are located at the identified properties:

Operations Offices: Hilton San Francisco, Hotel Nikko, Parc55, Intercontinental, Grand Hyatt, Marriott Marquis, Moscone Center

Secretary's Office: Marriott Marquis

Society Programs: Marriott Marquis

PARKING AT HOTELS. Contact your hotel to inquire about their daily parking policies and fees.

PARKING AT MOSCONE CENTER. The convention center is located at 181—3rd St., San Francisco, CA 94108. Unfortunately, there is no public parking on-site at any of the center's facilities.

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 Moscone Center, South Building Lobby, during the meeting. All press registrants must be credentialed by the ACS Office of Communication.

SHUTTLE SERVICE. Complimentary shuttle service will be provided between the Moscone Center and the official ACS hotels. Shuttles will operate 7 AM to 11 PM from 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 at least 10 days prior to the meeting.

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.

INFORMATION BOOTH. Attendees who have meeting questions should visit the ACS Information Booth located in the Moscone Center, North Concourse 1. Our information clerks 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.

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 abstracts.acs.org (using your ACS ID to log in to the system); 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 30 minutes before the start of their poster session. If you need to withdraw your presentation, please send a withdrawal notice to pacs@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 & AUDIOVISUAL SERVICE CENTERS.

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. We strongly recommend that all authors come to the speaker ready room the day before their presentation to check for connectivity and resolution. The hours of operation will be from 3 to 5 PM Saturday and 7 AM to 6 PM Sunday through Thursday. Locations of speaker ready rooms are printed in the on-site program. Speaker ready rooms are not equipped with copy machines; any copies will need to be made

in local business centers in or near the hotels and convention center.

POSTER SESSIONS. All materials must be confined to the 4-foot-high by 8-foot-wide display board. Authors must mount their poster during the one hour before the scheduled session start. Poster numbers supplied by ACS will be in the upper corner of each poster board and this number corresponds with the number assigned to each poster in the technical program. 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 239th national meeting is now available at www.acs.org/sanfrancisco2010. You can search by divisions or committees; symposia; speakers; or keywords from abstracts as well as presidential events and the multidisciplinary theme "Chemistry for a Sustainable World."

ABSTRACTS (CD-ROM). Abstracts of all scientific sessions at the meeting can be purchased in CD-ROM format through ACS Attendee Registration either online before Feb. 9 or on-site in San Francisco from March 21 to 25. 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 Moscone Center. You can also have your abstracts shipped to you if you place your order before Feb. 19, pay an \$8.00 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. You can purchase preprints from the addresses below or inquire about these preprints at the hospitality table for each division near their meeting rooms.

Fuel Chemistry. Jonathan Mathews
e-mail: jmathews@psu.edu

Petroleum Chemistry. Subramani Velu
e-mail: subravelu@hotmail.com

Polymer Chemistry. Kathy Mitchem
e-mail: kathyl@vt.edu

Polymeric Materials: Science & Engineering Inc.

Visit the PMSE hospitality table at the meeting

SPECIAL & EDUCATIONAL EVENTS

PRESIDENTIAL EVENTS

DURING 2010, ACS President Joseph S. Francisco is committed to helping members and future members develop the skills necessary to meet the needs and expectations of employers, especially those in the global chemical enterprise. He is focusing on four areas that will have an underlying global perspective: education, innovation, employment, and partnerships.

He is also supporting "Chemistry for a Sustainable World" as the theme for the San Francisco meeting, and is cosponsoring two special events to highlight the theme, organized by theme program chair Laura Pence of the University of Hartford. The plenary session, "Big Picture Concerns and Real Green Chemistry Solutions," is scheduled for Sunday, March 21, from 3 to 6:30 PM. The keynote address, "Green Chemistry: Chemical Solutions for a Sustainable World," is scheduled for Monday, March 22, from 5 to 6 PM.

A Presidential Outreach Event is set for Saturday, March 20, from 11 AM to 2 PM at the California Academy of Sciences, East Garden, 55 Music Concourse Dr., Golden Gate Park, San Francisco.

Other symposia focused on the presidential agenda and sponsored by the president are listed on the Presidential Events grid (see page 64). For a full listing of Presidential Events & Symposia (sponsored and cosponsored), visit www.acs.org/sanfrancisco2010 or see the on-site program distributed during the meeting.

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 23, at the San Francisco Marriott Marquis Hotel, Salon 7 and 8. Dinner begins at 7:30 PM and the general meeting begins at 8:30 PM. Richard N. Zare will deliver the Priestley Medal Address at the general meeting. (See Ticketed Events on page 79 for ticket information.)

Several awards, such 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 240th ACS national meeting in Boston in August.

ACS Award for Achievement in Research for the Teaching and Learning of Chemistry sponsored by Pearson Education; Michael R. Abraham, University of Oklahoma. Address to be presented before the Division of Chemical Education.

ACS Award for Affordable Green Chemistry sponsored by Dow Chemical Co.; Vincent J. D'Amico (Lummus Global Inc.), Emanuel (Emiel) H. van Broekhoven (Albemarle Catalyst Co., the Netherlands), Juha Jakkula (Neste Oil, Finland), retired. Address to be presented before the Division of Petroleum Chemistry.

ACS Award for Computers in Chemical & Pharmaceutical Research sponsored by ACS; Kenneth M. Merz Jr., University of Florida. 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 in memory of Joseph J. Breen; Kimberly A. Prather, University of California, San Diego. Address to be presented before the Division of Physical Chemistry.

ACS Award for Creative Invention sponsored by ACS Corporation Associates; David Walt, Tufts University. Address to be

presented before the Division of Analytical Chemistry at the 240th national meeting in Boston.

ACS Award for Creative Work in Fluorine Chemistry sponsored by Honeywell; Russell P. Hughes, Dartmouth College. Address to be presented before the Division of Fluorine Chemistry.

ACS Award for Creative Work in Synthetic Organic Chemistry sponsored by Aldrich Chemical; Ei-ichi Negishi, Purdue University. 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; Richard D. Adams, University of South Carolina. 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; Robert L. Lichter, Merrimack Consultants. Address to be presented as part of an ACS Presidential Event at the 240th national meeting in Boston.

ACS Award for Encouraging Women into Careers in the Chemical Sciences sponsored by the Camille & Henry Dreyfus Foundation; Mildred S. Dresselhaus, Massachusetts Institute of Technology. Address to be presented before the Women Chemists Committee.

ACS Award for Research at an Undergraduate Institution sponsored by Research Corporation for Science Advancement; Thomas J. Wenzel, Bates College. Address to be presented before the Division of Analytical Chemistry.

ACS Award for Team Innovation sponsored by ACS Corporation Associates; Daniel Cordova, John H. Freudenberger, Thomas P. Selby, and Thomas M. Stevenson, DuPont Crop Protection. Address to be presented before the Division of Agrochemicals.

ACS Award in Analytical Chemistry sponsored by Battelle Memorial Institute; Richard P. Van Duyne, Northwestern University. Address to be presented before the Division of Analytical Chemistry at the 240th national meeting in Boston.

ACS Award in Applied Polymer Science sponsored by Eastman Chemical Co.; Andrew J. Lovinger, National Science Foundation. Address to be presented before the Division of Polymeric Materials: Science & Engineering.

ACS Award in Chromatography sponsored by Supelco Inc.; Udo A. T. Brinkman, Free University of Amsterdam, Netherlands. Address to be presented before the Division of Analytical Chemistry at the 240th national meeting in Boston.

ACS Award in Colloid & Surface Chemistry sponsored by Procter & Gamble; Mounqi G. Bawendi, Massachusetts Institute of Technology. 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 Society of Chemical Manufacturers & Affiliates; James A. Cella, GE Global Research (retired). Address to be presented before the Division of Business Development & Management.

ACS Award in Inorganic Chemistry sponsored by Aldrich Chemical; Donald J. Darensbourg, Texas A&M University. Address to be presented before the Division of Inorganic Chemistry.

ACS Award in Organometallic Chemistry sponsored by Dow Chemical Co. Foundation; Clark R. Landis, University of Wisconsin, Madison. Address to be presented before the Division of Inorganic Chemistry.

ACS Award in Polymer Chemistry sponsored by ExxonMobil Chemical; Timothy P. Lodge, University of Minnesota. Address to be presented before the Division of Polymer Chemistry.

ACS Award in Pure Chemistry sponsored by the Alpha Chi Sigma Fraternity and the Alpha Chi Sigma Educational Foundation; Phil S. Baran, Scripps Research Institute. Address to be presented before the Division of Organic Chemistry.

ACS Award in Separations Science & Technology sponsored by Waters Corp.; Janusz Pawliszyn, University of Waterloo, Ontario. Address to be presented before the Division of Industrial & Engineering Chemistry.

ACS Award in the Chemistry of Materials sponsored by E. I. du Pont de Nemours & Co; Robert D. Miller, IBM Almaden Research Center. Address to be presented before the Division of Polymeric Materials: Science & Engineering at the 240th national meeting in Boston.

ACS Award in Theoretical Chemistry sponsored by Dell Inc.; Björn O. Roos, Lund University, Sweden. Address to be presented before the Division of Physical Chemistry.

Award for Volunteer Service to the American Chemical Society sponsored by ACS; Margaret A. Cavanaugh, National Science Foundation. Address to be presented during the ACS ChemLuminary Awards at the 240th national meeting in Boston.

Arthur W. Adamson Award for Distinguished Service in the Advancement of Surface Chemistry sponsored by ACS; Patricia A. Thiel, Iowa State University. Address to be presented before the Division of Physical Chemistry.

Alfred Bader Award in Bioinorganic or Bioorganic Chemistry sponsored by Alfred R. Bader Fund; Joan Selverstone Valentine, University of California, Los Angeles. Address to be presented before the Division of Inorganic Chemistry.

Earle B. Barnes Award for Leadership in Chemical Research Management sponsored by Dow Chemical; John L. LaMattina, Pfizer Global Research & Development (retired). Address to be presented before the Division of Medicinal Chemistry.

Ronald Breslow Award for Achievement in Biomimetic Chemistry sponsored by the Ronald Breslow Award Endowment; Stephen J. Lippard, Massachusetts Institute of Technology. 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; Larry E. Overman, University of California, Irvine. Address to be presented before the Division of Organic Chemistry.

Alfred Burger Award in Medicinal Chemistry sponsored by GlaxoSmithKline; Edward C. Taylor, Princeton University. Ad-

dress to be presented before the Division of Medicinal Chemistry.

James Bryant Conant Award in High School Chemistry Teaching sponsored by Thermo Fisher Scientific; Jeffrey Hepburn, Central Academy, Des Moines, Iowa. Address to be presented before the Division of Chemical Education.

Arthur C. Cope Award sponsored by the Arthur C. Cope Fund; Kendall N. Houk, University of California, Los Angeles. Address to be presented before the Division of Organic Chemistry at the 240th national meeting in Boston.

Arthur C. Cope Scholar Awards sponsored by the Arthur C. Cope Fund; Helen E. Blackwell (University of Wisconsin, Madison), Christopher J. Chang (University of California, Berkeley), John A. Gerlt (University of Illinois, Urbana-Champaign), Arun K. Ghosh (Purdue University), Jeffrey Johnson (University of North Carolina, Chapel Hill), Robert A. Moss (Rutgers, the State University of New Jersey), Eiichi Nakamura (University of Tokyo, Japan), Matthew S. Sigman (University of Utah), Alice Ting (Massachusetts Institute of Technology), Maria Christina White (University of Illinois, Urbana-Champaign). Address to be presented before the Division of Organic Chemistry at the 240th national meeting in Boston.

Elias J. Corey Award for Outstanding Original Contribution in Organic Synthesis by a Young Investigator sponsored by the Pfizer Endowment Fund; Mohammad Movassaghi, Massachusetts 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; Lawrence F. Dahl, University of Wisconsin, Madison. 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.; George C. Schatz, Northwestern University. 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.; Cath-

erine Costello, Boston University School of Medicine. Address to be presented before the Division of Analytical Chemistry at the 240th national meeting in Boston.

Francis P. Garvan-John M. Olin Medal sponsored by the Francis P. Garvan-John M. Olin Medal Endowment; Judith C. Gordan, University of Southern Mississippi, Visions in Education and Steel City Re. Address to be presented before the Division of Business Development & Management.

James T. Grady-James H. Stack Award for Interpreting Chemistry for the Public sponsored by ACS; Ron Seely, *Wisconsin State Journal*. Address to be presented at the 239th national meeting in San Francisco.

Ernest Guenther Award in the Chemistry of Natural Products sponsored by Givaudan; Michael T. Crimmins, University of North Carolina, Chapel Hill. Address to be presented before the Division of Organic Chemistry.

Joel Henry Hildebrand Award in the Theoretical & Experimental Chemistry of Liquids sponsored by ExxonMobil Research & Engineering Co.; Peter J. Rossky, University of Texas, Austin. Address to be presented before the Division of Physical Chemistry.

Ralph F. Hirschmann Award in Peptide Chemistry sponsored by the Merck Research Laboratories; Stephen J. Benkovic, Pennsylvania State University. Address to be presented before the Division of Biological Chemistry.

Ipatieff Prize sponsored by the Ipatieff Trust Fund through Northwestern University; Christopher W. Jones, Georgia Institute of Technology. Address to be presented before the Division of Catalysis Science & Technology (PROB).

Frederic Stanley Kipping Award in Silicon Chemistry sponsored by Dow Corning; Yitzhak Apeloig, Technion—Israel Institute of Technology. Address to be presented before the Division of Organic Chemistry.

Irving Langmuir Award in Chemical Physics sponsored by General Electric Global Research and the ACS Division of Physical Chemistry; A. Welford Castleman Jr., Pennsylvania State University. Address to be presented before the Division of Physical Chemistry.

E. V. Murphree Award in Industrial & Engineering Chemistry sponsored by the ExxonMobil Research & Engineering Co.; Gregory N. Stephanopoulos, Massachusetts Institute of Technology. Address to be presented before the Division of Biochemical Technology.

Nobel Laureate Signature Award for Graduate Education in Chemistry sponsored by Mallinckrodt Baker; Sang-Hee Shim (student), Harvard University; Martin T. Zanni (preceptor), University of Wisconsin, Madison. Address to be presented before the Division of Physical Chemistry.

James Flack Norris Award in Physical Organic Chemistry sponsored by the ACS Northeastern Section; John E. Baldwin, Syracuse University. 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; Peter C. Stair, Northwestern University. Address to be presented before the Division of Catalysis Science & Technology (PROB).

George C. Pimentel Award in Chemical Education sponsored by Cengage Publishing and ACS; Zafra J. Margolin Lerman, Columbia College Chicago. Address to be presented before the Division of Chemical Education.

Priestley Medal sponsored by ACS; Richard N. Zare, Stanford University. Address to be presented before the general meeting of the American Chemical Society, Tuesday, March 23, at the San Francisco Marriott Marquis, Salon 7 & 8.

Glenn T. Seaborg Award for Nuclear Chemistry sponsored by the ACS Division of Nuclear Chemistry & Technology; Lee G. Sobotka, Washington University, St. Louis. 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; Robert J. Madix, Harvard University. Address to be presented before the Division of Catalysis Science & Technology (PROB).

E. Bright Wilson Award in Spectroscopy sponsored by Coherent and ACS; George W. Flynn, Columbia University. 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 the Newport Corp.; Paul Corkum, National Research Council, University of Ottawa, Ontario. Address to be presented before the Division of Physical Chemistry.

National Fresenius Award sponsored by Phi Lambda Upsilon, the National Chemistry Honor Society; Daniel J. Mindiola, Indiana University. Address to be presented before the Division of Inorganic Chemistry.

STUDENT & TEACHER ACTIVITIES

Education-focused programs and specialty activities are being held for undergraduate students, graduate students, postdoctoral scholars, and high school teachers.

UNDERGRADUATE PROGRAM. A vibrant program designed especially for undergraduate students has been planned by the Society Committee on Education's Task Force on Undergraduate Programming. All events will take place at the Moscone Center.

SUNDAY, MARCH 21

Undergraduate Hospitality Center, 8 AM to 5 PM

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

The Chemistry of Wine Symposium, 9 to 10:30 AM

Careers in Chemistry: Green Jobs, 9 to 10:30 AM

Chem Demo Exchange, 10:30 AM to noon

Graduate School Reality Check, 10:30 AM to noon

Networking Social with Graduate School Recruiters, 1:30 to 3 PM

Demos that Matter Workshop, 3:30 to 5 PM

ACS Student Chapter Awards Ceremony, 7 to 8:30 PM

Undergraduate Social, 8:30 to 11:30 PM

MONDAY, MARCH 22

Undergraduate Hospitality Center, 8 AM to 5 PM

Graduate School Recruiting Breakfast, 8 to 10 AM

Community Outreach Workshop, 9:45 to 11:15 AM

Everything You Want To Know about Chocolate Symposium, 9:45 to 11:15 AM
Undergraduate Research Poster Session (sponsored by CHED), noon to 3 PM

Eminent Scientist Lecture by Daniel G. Nocera, "Personalized Energy: A Carbon-Neutral Energy Supply for 1 (× 6 Billion)," 3:30 to 4:30 PM

Chemical Industry Networking Roundtable, 4:30 to 6 PM

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

GRADUATE STUDENT AND POSTDOCTORAL SCHOLAR ACTIVITIES.

Among the national meeting events are a reception, where graduate students and postdoctoral scholars can network with each other and representatives from ACS divisions, and a symposium planned by the Graduate Student Symposium Planning Committee. On Monday, March 22, a Graduate Student & Postdoc Reception will be held from 6:30 to 8 PM, just prior to Sci-Mix at the San Francisco Marriott Marquis. On Tuesday, March 23, the symposium "Chemistry in the Developing World" will be presented by the Division of Chemical Education, 8:30 AM to 12:20 PM and 1:30 to 4:55 PM at Parc 55.

Many ACS divisions also have national meeting events especially for graduate students and postdoctoral scholars.

HIGH SCHOOL TEACHERS PROGRAM.

The Division of Chemical Education (www.divched.org) is sponsoring the High School Teachers Program on Sunday, March 21. High school teachers can register for this program directly through attendee registration; the 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, as indicated in this listing. Event participation is open to all interested registrants.

Laboratory Safety. Friday, March 19, 8 AM

to 5 PM, Moscone Center. Sponsored by CHAS. This classic workshop on laboratory safety by the Laboratory Safety Institute (LSI) has been attended by thousands of safety professionals. With experience in both industrial and academic laboratories, the presenters give a real-world approach to safety issues in the laboratory. Their stories are both interesting and pertinent. Interactive demonstrations help you deal with everything from creative wiring in the lab to administrators without a vision of what it means to have safe workplace. Highly entertaining, and an excellent forum to speak openly about safety problems in your workplace. Led by James Kaufman or W. H. (Jack) Breazeale. Register online at secure.hostwizard.ws/chemical-safety.com/chas/regform.htm. Workshop fee: \$325 for CHAS members, \$375 for nonmembers.

Laboratory Waste Management. Friday, March 19, 8 AM to 5 PM, Moscone Center. Sponsored by CHAS. This comprehensive one-day course will identify the various regulatory requirements that apply to laboratories that generate hazardous waste, as well as provide insight into the options for on-site management and off-site disposal. Focus will include discussion on recycling/reclamation techniques, economical handling of wastes, and liability issues. The workshop is led by Russell Phifer, who has more than 25 years' experience in managing laboratory wastes for academic and industrial laboratories and who is a member and former chair of the ACS Task Force on Environmental Health & Safety. Register online at secure.hostwizard.ws/chemical-safety.com/chas/regform.htm. Workshop fee: \$325 for CHAS members, \$375 for nonmembers.

Chemical Reactivity Hazards, Laboratory Scale Recognition & Control. Saturday, March 20, 8 AM to 3:30 PM, Moscone Center. 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. Workshop attendees will review case studies of actual incidents and do screening examples in order to understand the screening and recognition process. Group

discussions of control methods will allow participants to share their experiences and to evaluate methods for controlling reactivity risks. More information can be obtained by contacting neal@chemical-safety.com. Register online at secure.hostwizard.ws/chemical-safety.com/chas/regform.htm. Workshop fee: \$50

How To Be a More Effective Chemical Hygiene Officer. Saturday, March 20, 8 AM to 5 PM, Moscone Center. Sponsored by CHAS. Take a close look at the Chemical Hygiene Officer (CHO) position and prepare at the same time for the CHO certification exam to be held the next day. Instructors James K. Kaufman, Russell P. Phifer, and George W. Wahl 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 (presented on Sunday through the National Registry of Certified Chemists), including a sample test in the same format as the real one. Request an application packet for the CHO certification examination online at nrcc6.org. Register online at secure.hostwizard.ws/chemical-safety.com/chas/regform.htm. Workshop fee: \$325 for CHAS members, \$375 for nonmembers.

HAZWOPER Eight-Hour Refresher Training Workshop. Saturday, March 20, 8 AM to 5 PM, Moscone Center. Sponsored by CHAS. Instructor: Stefan Wawzyniecki, CIH, CHMM, University of Connecticut. This Workshop meets the requirements in OSHA 29 CFR 1910.120 for eight hours of annual refresher training for workers at hazardous waste sites. The course is designed for general site workers who remove hazardous waste or who are exposed or potentially exposed to hazardous substances or health hazards. Topics include HAZWOPER regulations, safety and health plans, hazardous chemicals overview, safety hazards, air monitoring, medical surveillance, site control, decontamination, personal protective equipment, and respiratory equipment. Register online at secure.hostwizard.ws/chemical-safety.com/chas/regform.htm. Workshop fee: \$325 for CHAS members, \$375 for nonmembers.

COACHing Strong Women Faculty in the Art of Strategic Persuasion. Saturday, March 20, 8:30 AM to 5 PM, Marriott Union Square. 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. Workshop fee: Free; preregistration is required.

Why Not? COACH Workshop on Planning and Leading Change in Careers and Organizations. Saturday, March 20, 8:30 AM to 5 PM, Marriott Union Square. Sponsored by COACH. Two sessions in one day. First is “Creating Balance and Value in Your Career Portfolio.” Investment of your time and energy in your career should be as strategic as developing a financial portfolio that is balanced for different stages of your life and reflects your personal priorities. External and internal changes often require reexamination and adjustment of these investments as a career progresses. This session will assist participants in assessing their current career-life portfolio, and in planning for changes in this portfolio to better align it with their current and future values and aspirations.

Second is “Making Change: Being Strategic in Uncertain Waters”—Change is inevitable, particularly in the current climate of financial uncertainty. In this session participants will learn the skills for creating change in their careers or organizations to achieve the desired goals, while managing the ambiguity and uncertainty that comes with such transitions. Register online at coach.uoregon.edu or with Priscilla Lewis at (541) 346-0116. Workshop fee: Free; registration required.

Professional Skills Training for Graduate Students. Saturday, March 20, 1:30 PM to 5 PM, Marriott Union Square. Sponsored by COACH. This workshop helps graduate students to be more effective in advancing their careers. Topics include theatre concepts of expression and communication, personal strategic behavior concepts, participant stories of ineffective moments

in meetings and/or negotiations, and role playing stories chosen to illustrate a common theme among group stories. The stories, which are chosen to speak to the larger needs of all, will be played, coached, and re-played with new behaviors in place. Topics commonly include relationship to adviser, getting recommendations, getting along in the lab, interviewing for jobs, dissertation defense, balancing personal life, and teaching skills. Register online at coach.uoregon.edu or with Priscilla Lewis at (541) 346-0116. Workshop fee: Free; registration required.

NRCC Certification Examinations. Sunday, March 21, 8 AM to noon, Parc 55. 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., Room 11, Arlington, VA 22204; (703) 979-9001; e-mail: nrcc6@aol.com; www.nrcc6.org. Application fee: \$150, Examination fee: \$175.

NSF Symposium—The Life Cycle of an NSF Proposal. Monday, March 22, 9 AM to noon, Moscone Center. Sponsored by the National Science Foundation. **Proposal Preparation.** Funding opportunities targeted at all career stages from undergraduate student to senior faculty member conducting research in the chemical sciences will be introduced. These range from NSF’s well-known individual investigator awards to lesser known opportunities such as the International Collaboration in Chemistry program. Some pointers will be provided for researchers who plan to patent their research.

Review Process. In this session, the time period after submission of a proposal to notification through the division director will be discussed and include relevant information for principal investigators and reviewers. Topics include compliance checking, the review process, how to write a substantive review, and associated conflicts of interest and confidentiality issues.

Notification and Post-Notification. Once a decision has been reached on whether to recommend a proposal for funding, the principal investigator will be notified. In the majority of cases, this will be a declination. This session will provide suggestions on how to maximize benefits from constructive reviewers’ feedback and from

conversations with the program director. The session will conclude with suggestions on how to draft substantive project reports and informative highlights. Ample time for questions from the audience will be provided for each session. Workshop fee: Free; registration is not required.

Creating Demo Shows that Teach and Inspire. Monday, March 22, 1:30 to 5:30 PM, Parc 55. Sponsored by CHED. This is your chance to dramatically (pun intended) improve your favorite demonstration. By the end of this workshop, you’ll have first-hand experience with using the principles of Fusion Science Theater (FST) to create chemical demonstration shows that engage young audiences through active learning. Funded in part by the National Science Foundation and the American Chemical Society, FST integrates theater techniques with the best practices of science pedagogy such as inquiry, participation, and modeling. This workshop includes a brief introduction to the FST model, a template for designing your own show around your favorite demonstration, personalized guidance from the creators of FST on applying what you’ve learned, and a chance to network with like-minded colleagues in an actively fun environment. It’s designed for anyone interested in chemical education outreach. Register with Christopher Babiarez (cbabiarz@wisc.edu) or at www.brownpapertickets.com/event/92617. Workshop fee: students, \$25; nonstudents, \$50.

State of STEM Education in California. Monday, March 22, 2 to 4 PM, Moscone Center. Sponsored by ACS OPA State Government Program. The ACS California Government & Legislative Affairs Committee will host a seminar on STEM education and the science environment in the state of California. The event will focus on the importance of Science, Technology, Engineering & Mathematics (STEM) education in the early grades and how it influences the competitiveness of the state. A panel of state legislators and experts will discuss the vital role STEM plays in the development of the state, and how students in California and nationwide are missing out on the opportunity to experience effective science education programs. Workshop fee: Free.

Sustainability Engagement Member Forum. Tuesday, March 23, 4:30 to 5 PM, Moscone Center. Sponsored by the Office of Strategic Planning. This event will bring

people together in support of Goal 3 of the ACS Strategic Plan, "ACS will be a global leader in enlisting the world's scientific professionals to address, through chemistry, the challenges facing our world." The focus of the event is on gathering ideas from a broad range of stakeholders, and on engagement with goals to generate excite-

ment about the ACS sustainability efforts; to brainstorm, create, and develop projects that can and will make a difference; and to connect with members of all ages and fields, especially those who are not currently engaged with ACS on a volunteer level. To participate in the forum, please visit www.acs.org/sustainability.

2010 Leadership Development System Course Offerings

The following courses, sponsored by the ACS Leadership Development System, require a fee of \$150 each for ACS members and \$300 each for nonmembers. Scholarships are available. To register for these courses, go to www.acs.org/professionaldevelopment. Course descriptions and scholarship information can be found at www.acs.org/leaderdevelopment. For more information, contact Cassaundra Evans, (202) 872-6387, c_evans@acs.org.

Coaching and Feedback. Grand Hyatt. 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. Grand Hyatt. 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 without Authority. Grand

Hyatt. 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.

Leading Change. Grand Hyatt. Change is 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 (four-hour facilitated course).

Strategic Planning. Monday, March 22, 8 AM to noon, Grand Hyatt. Sponsored by the ACS Leadership Advisory Board. Setting direction and creating the strategic plan for a local section, national committee, division, or region is a key responsibility of senior ACS leaders. Yet many of us lack the experience in plan development, receive minimal assistance in setting direction, or are unclear about how to align the section, division, or committee's goals with those of the society's. This course will help you improve your understanding of the planning process while giving you the opportunity to start developing a plan that aligns with the ACS Board of Directors' strategic goals.

ACS SHORT COURSES

THE FOLLOWING ACS professional development courses, specifically designed to improve the skills and marketability of chemical scientists and technicians, are offered in conjunction with the national meeting in San Francisco. Early registration and group discounts are available. A course fee and registration separate from the national meeting are required. Register for a short course in San Francisco, obtain course and pricing details, or view a full course catalog online at www.ProEd.acs.org; phone (202) 872-4508; fax: (202) 872-6336; e-mail: shortcourses@acs.org.

ANALYTICAL

- Capillary Electrophoresis of Biomolecules,** March 23–24
- Fourier Transform Infrared Spectroscopy: A Hands-on Workshop,** March 20–21
- Fundamentals of High-Performance Liquid Chromatography,** March 23–24
- High-Throughput Drug Analysis by LCMS,** March 21
- Infrared Spectral Interpretation: A Systematic Approach,** March 22–23
- Introduction & Use of Standard Methods for Environmental Regulatory Analysis & Compliance,** March 23–24
- Introduction to Process Analytical Technology,** March 23–24
- Practical HPLC in Pharmaceutical Analysis,** March 21
- Structure Determination of Small-Molecule Organic Compounds Using One- & Two-Dimensional NMR Spectroscopy,** March 20–21
- Ultra-High-Pressure LC (UHPLC): Concepts, Practices, Issues, Alternatives & How To Get Started,** March 21

BIOLOGICAL/PHARMACEUTICAL/MEDICINAL CHEMISTRY

- Analytical Method Transfer of Pharmaceutical Products,** March 22
- Capillary Electrophoresis of Biomolecules,** March 23–24
- Chemical Toxicology: A Chemist's Roadmap to Reduce Bioactivation Liabilities in Drug Candidates,** March 20
- Druglike Properties in Drug Discovery,** March 20–21
- Ecological Impact of Chemicals,** March 23
- Essentials of Medicinal Chemistry & Pharmacology,** March 20–21
- High-Throughput Drug Analysis by LCMS,** March 21

Introduction to Drug Metabolism: Role & Practice in Drug Discovery & Development, March 21

Introduction to Process Analytical Technology, March 23–24

Pharmacokinetics & Pharmacodynamics: Principles & Applications in Preclinical Drug Development, March 20–21

Practical HPLC in Pharmaceutical Analysis, March 21

Process Research in the Pharmaceutical Industry, March 20–21

Structure-Based Drug Design, March 23–24

COMPUTERS/STATISTICS/ ENGINEERING

Chemical Engineering & Process Fundamentals for Chemists, March 20–21

Experimental Design for Productivity & Quality in Research & Development, March 20–22

Fundamentals of Model Building, March 23–24

Statistical Analysis of Laboratory Data, March 20–22

GENERAL

Effective Supervision of Scientists & the Technical Staff, March 20–21

Effective Technical Writing, March 23–24
From Kitchen to Plant: Industrial Production of Processed Food Products, March 23–24

ORGANIC/PHYSICAL CHEMISTRY

Dispersion in Liquids: Suspensions, Emulsions & Foams, March 20–21

Essentials of Organic Chemistry, March 21
Mastering the Art of Writing Reasonable ORMs, March 23–24

NMR Spectral Interpretation & Organic Spectroscopy: A Problem-Based Learning Approach, March 23–24

Organic Synthesis: Methods & Strategies for the 21st Century Chemist, March 20–21

Process Research in the Pharmaceutical Industry, March 20–21

Structure Determination of Small-Molecule Organic Compounds Using One- & Two-Dimensional NMR Spectroscopy, March 20–21

POLYMER CHEMISTRY

Polymer Chemistry, March 20–22

Polymeric Coatings, March 23–24

PROFESSIONAL DEVELOPMENT

Effective Supervision of Scientists & the Technical Staff, March 20–21

Effective Technical Writing, March 23–24
Mastering the Art of Writing Reasonable ORMs, March 23–24

Practical Approaches to Patents and Other Forms of Intellectual Property, March 21

Project Management for Technical Professionals, March 20–21

REGULATORY/ENVIRONMENTAL

Analytical Method Transfer of Pharmaceutical Products, March 22

Ecological Impact of Chemicals, March 23
Introduction & Use of Standard Methods for Environmental Regulatory Analysis & Compliance, March 23–24

Introduction to Process Analytical Technology, March 23–24

Methods Development, Validation Procedures & Regulatory Compliance Issues, March 23–24

Practical Approaches to Patents & Other Forms of Intellectual Property, March 21

ACS CAREER FAIR

ACS PROVIDES opportunities for employers to recruit top scientific talent online and on-site at the ACS Career Fair during the 239th ACS national meeting in San Francisco. The Career Fair is where employers can promote their company and meet job seekers face-to-face 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 the Moscone West Building, First Floor, Sunday, March 21, from 10 AM to 5:30 PM; Monday and Tuesday, March 22–23, from 8 AM to 5:30 PM, and on Wednesday, March 24 from 8 AM to noon.

The ACS Career Fair is open to ACS members. All job seekers and employers must sign up online at www.acs.org/careers/jobseekers from Jan. 25 to March 24 to participate.

ARE YOU LOOKING FOR A JOB? 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 calendar.
- Search for job postings by field of special-

ization, work function, education level or employer.

- Get information about jobs and employers before the meeting.
- Request interviews.
- View interviews scheduled by employers.
- Have notices sent to your personal e-mail account.

Job seekers who sign up by March 5 will receive a confirmation packet and yellow ACS Career Fair ID card prior to the national meeting. Those who sign up after March 5 can pick up a badge at the ACS Career Fair Information Booth located in the Moscone West Building, First Floor. For additional information, visit www.acs.org/careers/jobseekers. **All job seekers must be current ACS members and register for the national meeting to participate in the ACS Career Fair. A national meeting registration badge must be visible to enter all ACS Career Fair areas.**

ARE YOU LOOKING FOR CANDIDATES?

The ACS Career Fair database allows employers to sign up and manage their accounts, schedule interviews, and keep track of schedule changes completely online. 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 your private e-mail account.
- Track interview activity.
- Collect statistics on postings and interviews.

Employers who want to maximize exposure to their company can also purchase display space at ACS Careers Recruiters Row at the discounted rate of \$1,200. In addition, employers can purchase presentation space in the Presentation Area for \$250 to give a 60-minute presentation on their company in the Career Fair hall. Employers can only qualify for Recruiters Row by purchasing an interview package. Due to limited space, these packages will be assigned on a first-come, first-served basis. Contact Garretta Rollins at (800) 227-5558 ext. 6209 or g_rollins@acs.org for additional information regarding these specials.

Employers who sign up by March 5 will receive a confirmation package with a blue ACS Career Fair ID card prior to the national meeting. Those who sign up after March 5 must pick up their badge at the

ACS Career Fair Information Booth located in Moscone West, First Floor.

To cancel your Career Fair registration, you must notify the ACS Careers Office by sending an e-mail to g_rollins@acs.org on or before March 5. 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 packages. ACS assumes no responsibility for the qualifications of prospective job seekers.

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

One-on-One Career Assistance. Career consultants are available for private half-hour appointments 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 the Moscone West Building, First Floor. Sign-up will begin at 10 AM on Sunday, March 21.

CAREER WORKSHOP SCHEDULE. All workshops will be held in the Moscone West Building. Workshop times are subject to change. Please consult the Web workshop schedule at www.acs.org/careers or the ACS Career Fair on-site brochure for final workshop times.

SUNDAY, MARCH 21

Planning Your Job Search, 8:30–9:45 AM; 1–2:15 PM

Mock Interview Demonstration, 9–10:15 AM

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

First Year on the Job: Academic, 11 AM–noon

Effective Interviewing, 11:30 AM–12:45 PM

First Year on the Job: Industry, 1:30–2:30 PM

Postdoctoral Research: Why and How? 3:30–4:45 PM

Effective Interviewing, 4–5:15 PM

MONDAY, MARCH 22

Planning Your Job Search, 8:30–9:45 AM; 1–2:15 PM

Foreign-National Scientists: Getting a Job in the U.S., 8:30–10 AM

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

Mock Interview Demonstration, 10:30–11:45 AM

Academic Application Package, 1–2 PM

Writing Excellent ACS PRF Proposals, 2:30–3:45 PM

Effective Interviewing, 4–5:15 PM

Academic On-Site Interview, 4–5 PM

TUESDAY, MARCH 23

Planning Your Job Search, 8:30–9:45 AM; 1–2:15 PM

Mock Interview Demonstration, 8:30–9:45 AM

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

Patents and Intellectual Property, 10–11:30 AM

Effective Interviewing, 11:30–12:45 PM; 4–5:15 PM

Mock Interview Demonstration, 1–2:15 PM

Navigating the Federal Employment Process, 2:30–5:30 PM

WEDNESDAY, MARCH 24

Planning Your Job Search, 8:30–9:45 AM; 1–2:15 PM

Jobs in Industry, 8:30–9:45 AM

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

Jobs in Academia, 10–11:15 AM

Effective Interviewing, 11:30–12:45 PM

Academic Application Package, 1–2 PM
Patents & Intellectual Property, 2:30–3:30 PM

Effective Interviewing, 4–5:15 PM

Academic On-Site Interview, 4–5 PM

EXPOSITION

OPEN SUNDAY THROUGH WEDNESDAY. Visit the ACS National Exposition in San Francisco. Learn about scientific and industrial trends, discover effective technologies and services that may improve your productivity, and network with chemical and industrial scientists. Located in Halls B & C of the Moscone Center South Building, the ACS National Exposition will be open on Sunday, March 21, from 6 to 8:30 PM; Monday and Tuesday, March 22–23, 9 AM to 5 PM; and Wednesday, March 24, 9 AM to 1 PM.

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.

Virtual National Exposition & Exhibitor Roadmap. Access the Virtual National Exposition & Exhibitor Roadmap at www.acs.org/sanfrancisco2010 to learn more about the exhibiting companies and to download product information that meets your needs. You can also prepare a customized floor plan to maximize your exposition experience and schedule meetings with exhibitors.

Special Events. Come to the Attendee Welcome Reception on Sunday from 6 to 8:30 PM and meet the exhibiting companies while enjoying food and participating in the Sustainability Engagement Event inside the Green Pavilion. From Monday through Wednesday, visit the Green Pavilion to relax and identify ways to support the sustainability initiative; visit Experience San Francisco to receive city information and discounts; and join us for the morning and afternoon break sessions for a tasty treat. Look inside your meeting registration credentials for further information.

Free Exhibitor Workshops. Several exhibiting companies will host free workshops to introduce new products and services, build skills with specific tools and techniques, and highlight innovative applications that may improve your productivity. Preregister at www.acs.org/sanfrancisco2010 to reserve your seat.

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

Prize Booths & Special Offers. Visit the Daily Prize Raffle & Souvenir Store to purchase city souvenirs and enter the \$50 gift card raffle. Visit the Technology Raffle to win this year's hottest tech toys.

Admission Requirements & Expo-Only Registration. Exposition admission is complimentary for all national 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 national meeting can obtain an expo-only badge for \$45. Students with school identification

can obtain an expo-only badge for \$20. Registration can be handled online, by mail, or in person at ACS Registration.

GOVERNANCE MEETINGS

For the complete list of committee meetings and agendas, please consult www.acs.org/sanfrancisco2010 or the on-site program distributed during the meeting.

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 San Francisco Marriott Marquis from 10 AM to noon on Sunday, March 21.

ACS COUNCIL. The ACS Council meeting will begin at 8 AM, Wednesday, March 24, in the San Francisco Marriott Marquis. The meeting will be preceded by a continental breakfast for councilors beginning at 7 AM. Councilors are asked to check in beginning at 7 AM and proceed to the breakfast area, keeping in mind that the meeting starts promptly at 8 AM. Space will be available for ACS members and nonmembers to observe the council in action. It is hoped that many will take advantage of this opportunity to learn firsthand of the society's operation. Alternate councilors and division and local section officers are particularly urged to attend.

COMMITTEE MEETINGS

THE COMMITTEE ON COMMITTEES has clarified the three types of committee meetings. Only the open and executive committee meeting agenda follow these descriptions.

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 personnel (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.)

During the open and executive committee meetings, ACS members are given a chance to express their views on issues under consideration before these issues are acted on by the board or the council, or to bring up other subjects that deserve attention. Members are urged to examine the agenda and make known any opinions or ideas they may have. If you cannot attend the particular sessions involved, write the officers listed or ask someone attending the session to speak on your behalf. For further information, contact the officers listed.

BUDGET & FINANCE

John E. Adams, chair; Department of Chemistry, University of Missouri-Columbia, Columbia, MO 65211-7600

Open Meeting
Saturday, March 20, 8 AM to noon
San Francisco Marriott Marquis

CHEMICAL ABSTRACTS SERVICE

Spiro Alexandratos, chair; Department of Chemistry, CUNY-Hunter College, 695 Park Ave., New York, NY 10065

Open Meeting
(Joint with CINF and the
Joint Board-Council Committee
on Publications)
Monday, March 22, 4:30 to 5:30 PM
Moscone Center

Executive Session
Friday, March 19, 7 to 9 PM
San Francisco Marriott Marquis

CHEMICAL SAFETY

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

Combined Open Meeting and
Executive Session
Monday, March 22, 8:30 AM to noon
Grand Hyatt

CHEMISTS WITH DISABILITIES

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

Combined Open Meeting and
Executive Session
Monday, March 22, 8:30 AM to 4:30 PM
San Francisco Marriott Marquis

COMMITTEES

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

Open Executive Session
Monday, March 22, 1 to 2:30 PM
San Francisco Marriott Marquis

COMMUNITY ACTIVITIES

Lynn Hogue, chair; Miami University-Middletown, 4200 East University Blvd., Middletown, OH 45042

Open Reception and Open Meeting
Tuesday, March 23, 1:30 to 2 PM and 2 to 3 PM (reception)
San Francisco Marriott Marquis

Executive Session
Saturday, March 20, 4 to 9 PM
San Francisco Marriott Marquis

CONSTITUTION & BYLAWS

Alan M. Ehrlich, chair; Stein McEwen LLP, 7425 Democracy Blvd., #205, Bethesda, MD 20817-1205

Open Meetings

**Sunday, March 21, 1 to 1:30 PM and
Wednesday, March 24,
end of Council to 1 PM
San Francisco Marriott Marquis**

Executive Sessions

**Sunday, March 21, 10 AM to 1 PM and
1:30 PM to 5 PM and Wednesday,
March 24, 1 PM to 3:30 PM
San Francisco Marriott Marquis**

CORPORATION ASSOCIATES

Anne S. DeMasi, chair; Rohm and Haas Co., 100 Independence Mall West, Philadelphia, PA 19106-2399

Open Meeting

**Monday, March 22, 8 AM to noon
Intercontinental**

COUNCIL POLICY

Thomas R. Gilbert, vice chair; Department of Chemistry & Chemical Biology, Northeastern University, Boston, MA 02115

Open Meeting

**Tuesday, March 23, 9:30 AM to noon
San Francisco Marriott Marquis**

DIVISIONAL ACTIVITIES

David J. Lohse, chair; ExxonMobil Research & Engineering Co., Annandale, NJ 08801-3059

Saturday, March 20

San Francisco Marriott Marquis
Division Enhancement Subcommittee
(9:30 to noon)
Multidisciplinary Program Planning
Group—Executive Committee
(Noon to 2 PM)
Multidisciplinary Program Planning
Group—Representative Meeting
(2 to 4 PM)
Combined Open Meeting and
Executive Session

**Sunday, March 21, 7:30 AM to noon
San Francisco Marriott Marquis**

ECONOMIC & PROFESSIONAL AFFAIRS

Lynne Greenblatt, chair; 2 Northfield Ct., Lambertville, NJ 08530

Executive Session

**Saturday, March 20, 8 AM to 5:30 PM
San Francisco Marriott Marquis**

Open Executive Session

**Sunday, March 21, 8 AM to noon
San Francisco Marriott Marquis**

EDUCATION

Mary Carroll, chair; Department of Chemistry, Union College, Schenectady, NY 12308

Open Meeting

**Monday, March 22, 3 to 4 PM
San Francisco Marriott Marquis**

Executive Session

**Friday, March 19, 8:30 AM to 5 PM
San Francisco Marriott Marquis**

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 20, 4 to 6 PM
San Francisco Marriott Marquis**

ETHICS

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

Open Meeting

**Sunday, March 21, 11 AM to 5 PM
San Francisco Marriott Marquis**

INTERNATIONAL ACTIVITIES

Judith L. Benham, chair; c/o ACS Office of International Activities, 1155—16th St., N.W., Washington, DC 20036

Open Meeting

**Saturday, March 20, 1 to 5 PM
San Francisco Marriott Marquis**

Subcommittee Meetings

**Saturday, March 20, 9 AM to noon
San Francisco Marriott Marquis**

LOCAL SECTION ACTIVITIES

Lee Latimer, chair; Elan Pharmaceuticals, 800 Gateway Blvd., South San Francisco, CA 94080

Open Meeting

**Tuesday, March 23, 3 to 4 PM
San Francisco Marriott Marquis**

Executive Session

**Sunday, March 21, 8 AM to noon
San Francisco Marriott Marquis**

MEETINGS & EXPOSITIONS

William R. Oliver, chair; 3180 Gardensville Rd., Crittenden, KY 41030-8414

Executive Session

**Saturday, March 20, 2 to 5 PM
Moscone Center**

Combined Open Meeting and
Executive Session

**Sunday, March 21, 7:30 AM to noon
Moscone Center**

MEMBERSHIP AFFAIRS

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

COUNCIL POLICY COMMITTEE

The Council Policy Committee will open the floor during its meeting on Tuesday, March 23, 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. For more committee meeting details and agendas, please consult the meeting website at www.acs.org/sanfrancisco2010 or the on-site program distributed during the meeting.

Open Executive Session
Monday, March 22, 1 to 2 PM
 San Francisco Marriott Marquis

MINORITY AFFAIRS

Allison Aldridge, chair; Revogenex,
 716 Patrick Industrial Ln., Atlanta, GA
 30318

Executive Session
Sunday, March 21, Noon to 5 PM
 San Francisco Marriott Marquis

Open Meeting
Sunday, March 21, 6:30 to 8:30 PM
 San Francisco Marriott Marquis

**NOMENCLATURE,
 TERMINOLOGY & SYMBOLS**

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

Executive Session
Monday, March 22, 2 to 5 PM
 San Francisco Marriott Marquis

NOMINATIONS & ELECTIONS

Frank D. Blum, chair; Department of
 Chemistry, Missouri University of Science
 & Technology, 138 Schrenk Hall, Rolla, MO
 65409-0010

Open Meeting
Monday, March 22, 11 AM to noon
 San Francisco Marriott Marquis

**PATENTS &
 RELATED MATTERS**

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

Open Meeting
Saturday, March 20, 9 AM to 5 PM
 San Francisco Marriott Marquis

PROFESSIONAL TRAINING

Cynthia K. Larive, chair; Department of
 Chemistry, University of California, River-
 side, CA 92521

Open Meeting
Sunday, March 21, 4 to 5 PM
 Parc 55

PROJECT SEED

Joshua J. Pak, chair; Idaho State University,
 Chemistry Department, Campus Box 8023,
 Pocatello, ID 83209-0001

Open Meeting
Sunday, March 21, 10:30 to 11:30 AM
 San Francisco Marriott Marquis

Executive Session
Saturday, March 20, 11 AM to 5:30 PM
 San Francisco Marriott Marquis

PUBLICATIONS

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

Open Meeting (Joint with Division of Chem-
 ical Information and Joint Board Council
 Committee on Chemical Abstracts Service)
Monday, March 22, 4:30 to 5:30 PM
 Moscone Center



Executive Session
Friday, March 19, 1 to 5 PM
 San Francisco Marriott Marquis

SCIENCE

Sadiq Shah, chair; Office of Research &
 Economic Development, Western Kentucky
 University, 1906 College Height Blvd.-11026,
 Bowling Green, KY 42101

Open Meeting
Saturday, March 20, 9 AM to 5 PM
 San Francisco Marriott Marquis

TECHNICIAN AFFAIRS

V. Michael Mautino, chair; Bayer Material-
 Science LLC, 100 Bayer Rd., Bldg. #1, Pitts-
 burgh, PA 15205-9741

Open Meeting
Sunday, March 21, 2 to 3 PM
 Grand Hyatt

Executive Session
Sunday, March 21, 9 AM to 2 PM
 Grand Hyatt

WOMEN CHEMISTS

Janet L. Bryant, chair; PNNL, 902 Battelle
 Blvd., MS: K6-50, Richland, WA 99352

Executive Session
Saturday, March 20, 8 AM to 5 PM
 San Francisco Marriott Marquis

Open Meeting—Joint Subcommittee on
 Diversity Reception
Monday, March 22, 6:30 to 8 PM
 San Francisco Marriott Marquis

YOUNGER CHEMISTS

Michael Hurrey, chair; Vertex Pharmaceuti-
 cals, 130 Waverly St., Cambridge, MA 02139

Executive Session
Sunday, March 21, 8 AM to noon
 San Francisco Marriott Marquis

Open Meeting—Joint Subcommittee for
 Diversity Reception
Monday, March 22, 6:30 to 8 PM
 San Francisco Marriott Marquis