

ARCHITECTURE

Cast-iron balconies are the traditional look of New Orleans' French Quarter.



245TH ACS NATIONAL MEETING

NEW ORLEANS, April 7–11

LOCATED NEAR the French Quarter, the New Orleans Ernest N. Morial Convention Center will host the 245th American Chemical Society National Meeting.

Symposia supporting the meeting's theme, "Chemistry of Energy & Food," are organized by thematic program chair James N. Seiber, a professor emeritus at the University of California, Davis, and editor of the *Journal of Agricultural & Food Chemistry*.

ACS President Marinda Li Wu will host 29 technical divisions and seven committees in original programming over 985 half-day oral sessions and 101 poster sessions that include Sci-Mix. Nearly 12,000 papers will be presented and more than 4,500 poster presentations will take place at the meeting.

In addition to supporting the meeting theme, Wu has also set a presidential agenda, "Partners for Progress & Prosperity."

MEETING INFO ON THE WEB
www.acs.org/neworleans2013

On Monday and Tuesday she will sponsor a symposium series, "Vision 2025: Helping ACS Members Thrive in the Global Chemistry Enterprise." Chemists with experience in academia, business, government, international chemical societies, and global start-ups will participate in the three-part event.

Many education-focused programs for high school teachers, undergraduate and graduate students, postdocs, and chemical professionals will be offered. A range of professional development courses will be available; ACS Short Courses have a separate registration and fee. For job seekers and employers, the ACS Career Fair will provide opportunities for interviews (both on-site and online), one-on-one career assistance, and more than 30 career-related workshops.

The exposition will feature more than 250 companies showcasing services, instruments, books, lab equipment, and much more in booths that number more than 400.

The 2013 ACS national award winners will be recognized with a banquet at the New

Orleans Marriott on Tuesday at 6 PM, and Peter J. Stang, Distinguished Professor at the University of Utah, will deliver the Priestley Medal Address. Although the banquet is a ticketed event, all registered meeting attendees are welcome to come to the Priestley Medal Address at 9:30 PM, free of charge. The Arthur C. Cope Award winners will be recognized at the ACS fall national meeting in Indianapolis.

If you have time to spare between these organized events, the sights and sounds of New Orleans are just steps away from the Morial Convention Center. The Riverwalk Marketplace has many authentic Louisiana eats, jazz hot spots are scattered throughout the French Quarter, and historical streetcars

can take you to attractions that are farther away.—EMILY BONES

REGISTRATION CATEGORY	FEE—STANDARD AFTER FEB. 22
MEMBERS	
ACS member or society affiliate	\$445
Postdoctoral member	445
Emeritus or retired member	225
50-year member	No fee
Unemployed member (Dues waiver required)	No fee
Precollege teacher	95
Graduate, less than postdoctoral	185
Undergraduate	95
One-day registrant	225
NONMEMBERS	
Chemical scientist	\$780
Postdoctoral scientist	780
Visitor: Nonchemical scientist or chemical technician	445
Precollege teacher	95
Graduate, less than postdoctoral	370
Undergraduate	185
One-day registrant	445
Guest of registrant ^a	40
EXPOSITION-ONLY VISITORS	
Adult, exposition only	\$50
Student, exposition only	25

^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.

REGISTRATION

Early Registration. Early registration for the national meeting closed on Feb. 22; registrations or payments received after Feb. 22 will be processed at standard registration rates. Attendees who registered by Feb. 22 should receive their badge credentials in the mail before the meeting. International registrants and early registrants who do not receive their badge credentials before the meeting must pick them up at ACS Attendee Registration (Morial Convention Center, Great Hall).

Standard & On-Site Registration. Standard registration rates are in effect until April 5. Register online at www.acs.org/neworleans2013. A valid ACS membership number must be entered during registration to register as a member and receive your member discount on registration fees. Attendees who register after Feb. 22 must pick up their badge credentials at ACS Attendee Registration in the Morial Convention Center, Great Hall, during the meeting. Please bring your e-mail confirmation for faster processing.

In New Orleans, attendees can pick up their badge credentials or complete a new registration using credit card, cash, check, or money order at ACS Attendee Registration in the Morial Convention Center, Great Hall, on Saturday, 3 to 6 PM; Sunday, 7:30 AM to 7:30 PM; Monday, 7:30

AM to 9:30 PM; Tuesday and Wednesday, 7:30 AM to 5:30 PM; and Thursday, 7:30 AM to 1 PM.

EVENTS & ACTIVITIES

A VARIETY of organizers will host special events during the meeting. Event participation is open to all interested registrants. Some events require purchase of a ticket to participate. The following events are coded to indicate what is required to participate: **R**—registration (and payment, when applicable) required; **T**—ticket required; **CO**D—payment due based on individual consumption at event; **all nonticketed events require a visible registration badge for entry.** View an updated listing of events and activities at www.acs.org/neworleans2013.

Tickets are sold on a first-come, first-served basis. Ticket sales for specific events will close at 6 PM the evening prior to the event. Some event organizers may offer a limited number of tickets for sale at the door of the events. Cancellations or refund requests must be made by March 22.

FRIDAY, APRIL 5

CHAS Workshop: Laboratory Safety Workshop (R)

8:30 AM to 4 PM, Morial Convention Center, Room 236

CHAS Workshop: Laboratory Waste Management Workshop (R)

8:30 AM to 4 PM, Morial Convention Center, Room 237

SATURDAY, APRIL 6

CHAS Workshop: Going Global—Hazard Communication Meets Global Harmonization (R)

8:30 AM to 12:30 PM, Morial Convention Center, Room 237

CHAS Workshop: Chemical Reactivity Hazards, Laboratory Scale, Recognition & Control (R)

8:30 AM to 4 PM, Morial Convention Center, Room 235

CHAS Workshop: How To Be a More Effective Chemical Hygiene Office (R)

ACS BADGE REPRINT POLICY

1st Badge Reprint: No charge, upon proper identification and confirmation of registration payment, a duplicate badge is issued.

2nd Badge Reprint: Attendee completes a duplicate badge request, shows identification, a charge of \$25 is paid (cash/credit card), a duplicate badge is issued.

3rd Badge Reprint: Attendee completes a duplicate badge request, shows identification, a charge of \$50 is paid (cash/credit card), a duplicate badge is issued.

Beyond 3rd Badge Reprint: Attendee completes a duplicate badge request, shows identification, a charge of \$100 is paid (cash/credit card), a duplicate badge is issued.

SHUTTERSTOCK



8:30 AM to 4 PM, Morial Convention Center, Room 236

COACH Workshop: The Chemistry of Leadership (R)

8:30 AM to 5 PM, Astor Crowne Plaza—New Orleans, St. Charles B

COACHing Strong Women in the Art of Strategic Persuasion—Junior Faculty (R)

8:30 AM to 5 PM, Astor Crowne Plaza—New Orleans, Grand Ballroom A

COACHing Strong Women in the Art of Strategic Persuasion—Senior Faculty (R)

8:30 AM to 5 PM, Astor Crowne Plaza—New Orleans, Grand Ballroom B

ACS International Lounge

2 to 6 PM, Morial Convention Center, LaNouvelle Ballroom Lobby

COACH Reception

5 to 7 PM, Astor Crowne Plaza—New Orleans, St. Charles A

FOR ACCOMMODATIONS & TRAVEL DISCOUNTS VISIT
www.acs.org/neworleans2013

SUNDAY, APRIL 7

ACS Career Fair Workshop: Career Pathways I

7 AM to 5:30 PM, Morial Convention Center, Room 211

ACS Career Fair Workshop: Career Pathways II

7 AM to 5:30 PM, Morial Convention Center, Room 212

ACS Career Fair Workshop: Career Pathways III

7 AM to 5:30 PM, Morial Convention Center, Room 213

ACS Career Fair Workshop: Career Workshop

7:30 AM to 5:30 PM, Morial Convention Center, Room 204

Undergraduate Workshop: Making the Most of Your First ACS National Meeting

8 to 9 AM, Morial Convention Center, Hall A, Sec. C

141

One hundred and forty-two
PhDs

Leadership Development Workshop: Engaging Colleagues in Dialogue (R)

8 AM to noon, Hilton Garden Inn New Orleans Convention Center, St. Charles Room

Leadership Development Workshop: Strategic Planning (R)

8 AM to noon, New Orleans Downtown Marriott at the Convention Center, Gardenia Room

Undergraduate Hospitality Center

8 AM to 5 PM, Morial Convention Center, Hall A, Secs. B & C

ACS International Lounge

8 AM to 6 PM, Morial Convention Center, LaNouvelle Ballroom Lobby

Undergraduate Workshop: Graduate School Reality Check, Step I: Getting In

9 to 10 AM, Morial Convention Center, Room 209/210

BMGT/YCC Workshop

9 AM to 1:30 PM, InterContinental New Orleans, Pelican II

Undergraduate Workshop: Graduate School Reality Check, Step II: You're In—Now What?

10 to 11 AM, Morial Convention Center, Room 209/210

Presidential Outreach Event: Exploring Our World through Chemistry

10 AM to 2 PM, Audubon Zoo, 6500 Magazine St.

Undergraduate Workshop: Networking Social with Graduate School Recruiters

10 AM to 3 PM, Morial Convention Center, Hall A, Sec. B

Undergraduate Workshop: Chem Demo Exchange

11 AM to 12:30 PM, Morial Convention Center, Halls E2 & E3

ACS Board Luncheon & Open Meeting

Noon to 1 PM, Morial Convention Center, Room 206/207

CHED High School-College Interface Luncheon/SE-01/\$40 (T) (Included with high school teacher registration.)

Noon to 1 PM, Morial Convention Center, Room Ro4

Leadership Development Workshop: Fostering Innovation (R)

1 to 5 PM, Hilton Garden Inn New Orleans Convention Center, St. Charles Room

ANYL Poster Session

1 to 5:30 PM, Morial Convention Center, Hall D

Charles Lathrop Parsons Award: 2013 Award Address by Geraldine L. (Geri) Richmond

1:30 to 2:30 PM, Hilton Riverside, Magnolia Room

Undergraduate Workshop Part I: Essential Skills for Success—Oral Presentation of Scientific Results

2:45 to 4 PM, Morial Convention Center, Room 206/207

Undergraduate Workshop Part II: Essential Skills for Success—Write Like a Chemist

4 to 5:15 PM, Morial Convention Center, Room 206/207

Undergraduate Workshop: Making Demos Matter

4 to 5:30 PM, Morial Convention Center, Rivergate Ballroom

Author Reviewer Reception

5 to 7 PM, Hilton Riverside, Napoleon Ballroom

University of Arizona Chemistry & Biochemistry Reception for Alumni & Friends

5 to 7 PM, Astor Crowne Plaza—New Orleans, Grand Ballroom B

University of Wisconsin, Madison, Chemistry Department Reception

5 to 7 PM, New Orleans Downtown Marriott at the Convention Center, Blaine Kern D

Event codes indicate what is required to participate: **R**—registration (and payment, when applicable) required; **T**—ticket required; **COD**—payment due based on individual consumption at event; all nonticketed events require a visible registration badge for entry. View an updated listing of events and activities at www.acs.org/neworleans2013.

Chemistry at Illinois Alumni & Friends Reception

5 to 8 PM, InterContinental New Orleans, Poydras Room

CHED Social Reception

5:30 to 7 PM, Morial Convention Center, Halls E2 & E3

ACS Diversity Reception

5:30 to 7:30 PM, Hilton Riverside, Compass Room

BIOL Poster Session

5:30 to 7:30 PM, Morial Convention Center, Hall E

IAC International Welcoming Reception

5:30 to 7:30 PM, Hilton Riverside, Versailles Ballroom

Research Corporation for Science Advancement/ACS-PRF Joint Reception

5:30 to 7:30 PM, New Orleans Downtown Marriott at the Convention Center, Atrium

District II Councilor Caucus

6 to 7 PM, Hilton Riverside, Jasperwood Room

District IV Councilor Caucus

6 to 7 PM, Hilton Riverside, Elmwood Room

District V Councilor Caucus

6 to 7 PM, Hilton Riverside, Fountain Room

District VI Councilor Caucus

6 to 7 PM, Hilton Riverside, Magnolia Room

Mid-Atlantic Councilor Caucus

6 to 7 PM, Hilton Riverside, Ascot & Newberry Rooms

CELL & INOR Poster Sessions

6 to 8 PM, Morial Convention Center, Hall D

Expo Attendee Welcome Reception

6 to 8:30 PM, Morial Convention Center, Halls B2 & C

National Chemical Technician Award Banquet/SE-02/\$60 (T)

6 to 9 PM, Hilton Riverside, Windsor Room

CINF Welcome Reception & Poster Session

6:30 to 8:30 PM, Morial Convention Center, Room 343

DIGITAL MEETING PROGRAM AVAILABLE AT

www.acs.org/neworleans2013

Student Chapter Awards Ceremony

7 to 8:30 PM, Morial Convention Center, Hall A, Sec. D

CHED Poster Session

7 to 9 PM, Morial Convention Center, Halls E2 & E3

MEDI General Poster Session

7 to 10 PM, Morial Convention Center, Hall D

ORGN Poster Session

8 to 10 PM, Morial Convention Center, Hall D

Undergraduate Social

8:30 to 11 PM, Morial Convention Center, Hall A, Sec. A

MONDAY, APRIL 8

ACS Career Fair Workshop: Career Pathways I

7 AM to 5:30 PM, Morial Convention Center, Room 211

ACS Career Fair Workshop: Career Pathways II

7 AM to 5:30 PM, Morial Convention Center, Room 212

ACS Career Fair Workshop: Career Pathways III

7 AM to 5:30 PM, Morial Convention Center, Room 213

ACS Career Fair Workshop: Virtual Webcast

7 AM to 5:30 PM, Morial Convention Center, Hall D1

WCC Women in the Chemical Enterprise Breakfast/SE-03/\$37 (regular)/SE-04/\$20 (student) (T)

7:30 to 9 AM, Hilton Riverside, Versailles Ballroom

Leadership Development Workshop: Leading Change (R)

8 AM to noon, Hilton Garden Inn New Orleans Convention Center, St. Charles Room

Undergraduate Hospitality Center

8:00 AM to noon, Morial Convention Center, Hall A, Sec. C

ACS International Lounge

8 AM to 6 PM, Morial Convention Center, LaNouvelle Ballroom Lobby

Outreach Workshop: Chemists Celebrate Earth Day Outreach Ideas

9:45 to 11:15 AM, Morial Convention Center, Hall A, Sec. B

Workshop: Employment in Chemistry—Academics, Industry, Small Business & Government

9:45 to 11:15 AM, Morial Convention Center, Room R05

Women Chemists of Color Forum & Social

10 AM to noon, Hilton Riverside, Melrose Room

CMA Reception & Luncheon/SE-05/\$50 (T)

11:30 AM to 2 PM, Hilton Riverside, Versailles Ballroom

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Nine JDs

CHAL Networking Luncheon/**SE-06**/\$40 (T)

Noon to 1:30 PM, Morial Convention Center, Hall A, Sec. D

Purdue Department of Chemistry Alumni Lunch/**SE-07**/\$15 (T)

Noon to 1:30 PM, Morial Convention Center, Room 204

Undergraduate Research Poster Session

Noon to 2:30 PM, Morial Convention Center, Hall D

"CRC Handbook" Discussion Forum

Noon to 3 PM, Morial Convention Center, Room 255

Workshop: Risk Management & Insurance—What Current & Future Entrepreneurs Should Consider/**SE-08**/no charge (T)

3 to 4 PM, Hilton Garden Inn New Orleans Convention Center, Gardenia Room

Undergraduate Speed Networking Session with Industrial Chemists

Visit the International Lounge in the Morial Convention Center, LaNouvelle Ballroom Lobby

4 to 5:30 PM, Morial Convention Center, Hall A, Sec. A

WCC Open Meeting Just Cocktails Reception

4 to 5:30 PM, Hilton Riverside, Melrose Room

AkzoNobel Cocktail Reception

5 to 7 PM, Hilton Riverside, Grand Salon D24

DNA Story: A Dramatic Reading of a Science Play by LSU

5 to 7 PM, Morial Convention Center, Room R09

CHAL Happy Hour

5 to 8 PM, Embassy Suites, Atrium

COLL Poster Session & Social Hour

6 to 8 PM, Morial Convention Center, Hall A, Sec. D

CARB Award Banquet/**SE-09**/\$50 (T)

6 to 9, The Chicory, 610 S. Peters St.

CATL Social Hour

6:30 to 7:45 PM, Morial Convention Center, Room 282

ACS Graduate & Postdoctoral Scholars Reception

7 to 8:30 PM, Morial Convention Center, Hall A, Secs. B & C

NUCL Social Hour

7 to 9 PM, Hampton Inn & Suites Convention Center, Prefunction Room

Chinese American Chemical Society Dinner Banquet/**SE-10**/\$30 (T)

7:30 to 9:30 PM, Five Happiness Chinese Restaurant, 3605 S. Carrollton Ave.

Sci-Mix Interdivisional Poster Session & Mixer/Drink Ticket at Registration

8 to 10 PM, Morial Convention Center, Hall D

TUESDAY, APRIL 9

ACS Career Fair Workshop: Career Pathways I

7 AM to 5:30 PM, Morial Convention Center, Room 211

ACS Career Fair Workshop: Career Pathways II

7 AM to 5:30 PM, Morial Convention Center, Room 212

ACS Career Fair Workshop: Career Pathways III

7 AM to 5:30 PM, Morial Convention Center, Room 213

ACS Career Fair Workshop: Virtual Webcast

7 AM to 5:30 PM, Morial Convention Center, Hall D1

Senior Chemists Breakfast/**SE-11**/\$15 (T)

7:30 to 9:30 AM, Hilton Riverside, Belle Chasse Room

University of Minnesota Alumni & Friends Breakfast/**SE-12**/\$5 (T)

7:30 to 9:30 AM, Morial Convention Center, Room 352

Leadership Development Workshop: Leading without Authority (R)

8 AM to noon, Hilton Garden Inn New Orleans Convention Center, St. Charles Room

ACS International Lounge

8 AM to 6 PM, Morial Convention Center, LaNouvelle Ballroom Lobby

AGFD Communicating Chemistry: Cajun Cooking/**SE-13**/\$10 (T)

10:30 AM to 1 PM, Tableau at Le Petit Theatre, 616 S. Peters St.

WCC/Eli Lilly & Co. Award Poster Session & Reception

11 AM to noon, Hilton Riverside, Grand Ballroom D

Alpha Chi Sigma Fraternity Luncheon (COD)

11:30 AM to 1:30 PM, Mulate's, the Original Cajun Restaurant, 201 Julia St.

CINF Luncheon/**SE-14**/\$15 (T)

Noon to 1:30 PM, Morial Convention Center, Room R08

WCC Luncheon/**SE-15**/\$47 (regular)/**SE-16**/\$25 (student) (T)

Noon to 1:30 PM, Hilton Riverside, Grand Ballroom D

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Twenty faculty members

COLL Luncheon/SE-17/\$40 (T)

Noon to 1:45 PM, New Orleans Marriott,
Mardi Gras Ballrooms G & H

MEDI: Lunch-n-Learn Case Study: "Life after Big Pharma—Tales from the Other Side"/SE-18/\$15 (T)

Noon to 2 PM, Morial Convention Center,
Hall A, Sec. B

AGFD & ENFL Poster Sessions

2 to 4 PM, Morial Convention Center, Hall D

Virtual Screening & Lead Optimization in Drug Discovery

3:30 to 6 PM, Morial Convention Center,
Room Ro8

Henry Hill Award Reception

5 to 7 PM, Morial Convention Center,
Room 237

Iota Sigma Pi—National Honor Society for Women in Chemistry Networking Hour

5 to 7 PM, Morial Convention Center,
Room 282

Tulane University Chemistry Department Reception

5 to 7 PM, Hampton Inn & Suites
Convention Center, Riverside I

University of Chicago Reception

5 to 7 PM, Morial Convention Center,
Room 352

ENVR Social & Reception/SE-19/\$10 (T)

5:30 to 6:30 PM, Dickie Brennan's Bourbon
House Restaurant, 144 Bourbon St.

Louisiana State University College of Science Reception

5:30 to 6:30 PM, Hilton Riverside, Jefferson
Room

District I Councilor Caucus

5:30 to 7 PM, Hilton Riverside, Jasperwood
Room

BIOL Poster Session

5:30 to 7:30 PM, Morial Convention Center,
Hall D

POLY/PMSE Poster Session & Reception

5:30 to 7:30 PM, Morial Convention Center,
Hall A, Secs. B & C

Presidential Gay & Transgender Chemists & Allies Reception

5:30 to 7:30 PM, Hilton Riverside, Melrose

BIOT Poster Session

6 to 8 PM, Morial Convention Center, Hall E

CATL & INOR Poster Sessions

6 to 8 PM, Morial Convention Center, Hall D

COMP Poster Session

6 to 8 PM, Morial Convention Center,
Hall A, Sec. D

Case Western Reserve University Alumni Association Reception

6 to 9 PM, Hilton Riverside, Belle Chasse
Room

Ohio State University Alumni Reception

6 to 9 PM, Crescent City Brewhouse, 527
Decatur St.

ACS National Awards Banquet Ceremony & General Meeting of the Society/SE-20/\$130 (T)

6 to 10 PM, New Orleans Marriott,
Acadia & Bissonet Ballrooms, dinner
begins at 7:30 PM; general meeting begins
at 8:30 PM

CELL Anselme Payen Award Banquet/SE-21/\$60 (T)

6 to 10 PM, The Pavilion of Two Sisters at
the Botanical Garden, City Park, 1 Palm Dr.

ENFL Dinner/SE-22/\$65 (T)

6 to 10 PM, Mulate's, the Original Cajun
Restaurant, 201 Julia St.

ACS National Awards Reception (T)

6:30 to 7:30 PM, New Orleans Marriott,
Carondelet Ballroom

CARB Poster Session

6:30 to 9 PM, Morial Convention Center,
Hall D

ORGN Poster Session

8 to 10 PM, Morial Convention Center,
Hall D

WEDNESDAY, APRIL 10**ACS Career Fair Workshop: Career Pathways I**

7 AM to 5:30 PM, Morial Convention Center,
Room 211

ACS Career Fair Workshop: Career Pathways II

7 AM to 5:30 PM, Morial Convention Center,
Room 212

ACS Career Fair Workshop: Career Pathways III

7 AM to 5:30 PM, Morial Convention Center,
Room 213

BMGT/YCC Workshop

9 AM to 1:30 PM, Morial Convention Center,
Room 201/202

BIOT & ENVR Poster Sessions

6 to 8 PM, Morial Convention Center,
Hall D

PHYS Poster Session

6 to 9 PM, Morial Convention Center,
Hall D

MEDI/ORGN Joint Poster Session

7 to 10 PM, Morial Convention Center,
Hall A

THURSDAY, APRIL 11**I&EC Poster Session**

9 to 10:30 AM, Morial Convention Center,
Hall D

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Six MD PhDs

EXPOSITION

SEE WHAT'S NEW INSIDE THE EXPOSITION.

Visit the ACS National Exposition at the Morial Convention Center, Halls B2 & C, from Sunday, April 7, through Tuesday, April 9. The show hours will be Sunday, 6 to 8:30 PM, and Monday and Tuesday, from 9 AM to 5 PM.

Companies will showcase services, instruments, books, computer hardware, scientific software, and an array of chromatographic, lab, and safety equipment. Technical personnel will be available to give demonstrations, answer questions, and discuss your specific needs and interests. You can also visit the ACS Career Fair Recruiters Row inside the exposition, where employers will showcase their products and services. Also, join us at the ACS Booth in the middle of the exposition floor where ACS staff members will present the many benefits,

services, products, and merchandise offered by ACS.

Online Exposition. The Online Exposition is a component within the Exhibitor Directory that enables attendees to view videos, press releases, brochures, and flyers of participating exhibitors. Access the Online Exposition at www.acs.org/neworleans2013 to learn more about exhibiting companies and to download product information that meets your needs.

Free Exhibitor Workshops. Free workshops will be hosted by exhibitors on the exposition floor and in private rooms inside the Morial Convention Center. These workshops will 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/neworleans2013 to reserve your seat.

Presentations, Prizes & Special Events. Visit the Daily Prize Raffle area from Sunday through Tuesday for a chance to win a prize. Also, don't forget

to join us on Sunday from 6 to 8:30 PM for the Attendee Welcome Reception and visit the exposition on Monday and Tuesday from 1 to 3 PM for afternoon treats, exciting perks, prizes, and networking opportunities.

Internet & Technology. Utilize free Internet access and leave messages for one another at the Meeting Mail terminals located throughout the meeting. Also, enjoy free Wi-Fi service at designated areas in the Morial Convention Center.

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 \$50. Students with school identification can obtain an expo-only badge for \$25. Registration can be handled online or in person at ACS Attendee Registration in the Great Hall.

EXHIBITOR WORKSHOPS

EXHIBITING COMPANIES will host free education sessions for attendees that will introduce new products and services, build skills with specific tools and techniques, and highlight innovative applications for existing instrumentation. Exhibitor workshops are intensive, up to two-and-a-half-hour sessions held at the Morial Convention Center in Halls B2 & C and in private rooms. Register by March 29 for exhibitor workshops at www.acs.org/neworleans2013. After March 29, visit exhibitors at their booths at the exposition, Morial Convention Center, Halls B2 & C.

MONDAY, APRIL 8

Imaging & Analysis Techniques for Chemistry & Catalysis. *Sponsor:* FEI Co., Booth 1107, Workshop Room 1, 8:30 to 11 AM. Scientists are making efforts to resolve global challenges by understanding chemical reactions and catalysts. They use electron microscopy for high-resolution imaging and chemical analysis at the

nanoscale. However, electron microscopy can provide more than two-dimensional characterization. We will present applications from FEI's imaging and analysis solutions: ChemiSTEM Technology for 2-D and 3-D chemical composition determination, including light elements, for study of catalysts, particles, and surface structure; Environmental Transmission Electron Microscope for atomic-scale structure-function relationships of heterogeneous catalysts and investigation of gas-solid interactions; and Environmental Scanning Electron Microscope for study of particles and materials and dynamic studies including self-assembly processes.

Advanced Polymer Characterization Workshop. *Sponsor:* Tosoh Bioscience, Booth 226, Workshop Room 2, noon to 2:30 PM. Gel permeation chromatography, light scattering, viscometry, and beyond. Don't miss your chance to explore state-of-the-art solutions to the challenges of characterizing today's sophisticated polymer formulations. Let the experts show you how to obtain the data needed to control and understand

polymeric properties such as elongation, tensile strength, adhesion, and compositional drift.

Maximize Your Chemistry Research with Reaxys. *Sponsor:* Elsevier B.V., Booth 324, Workshop Room 1, noon to 2:30 PM. Learn about the latest developments from Reaxys. In this in-depth session, discover how Reaxys can assist throughout your chemistry research workflow—from initial ideation, through experimentation, to final reporting and write-up.

Mass-Directed Flash Purification: An Integrated Solution for the Chemist. *Sponsor:* Biotage, Booth 411, Workshop Room 1, 3:30 to 6 PM. The Biotage Isolera Dalton is the first flash chromatography system with a fully integrated mass detector. As a system optimized for the organic chemistry workflow, it has been designed to reduce operational complexity with a design target "as easy to use as a UV detector." As a fully integrated solution, Isolera Dalton is easy to maintain, because the fluidics system is built using plug-and-play components. If preferred,

results from the direct-injection mode can be used to determine optimal flash conditions within the same software, further enhancing productivity.

A Novel, Practical Approach to SEC/GPC Analysis. *Sponsor:* Waters, Booth 800, Workshop Room 2, 3:30 to 6 PM. Traditionally, size-exclusion or gel permeation chromatography (SEC/GPC) is used in the reliable characterization of polymers. To resolve polymer species, long column lengths and banked column configurations are commonly used, which result in lengthy analytical run times and high solvent consumption. Taking advantage of technological advances in chromatographic separations, the use of ultra-high-performance size-exclusion chromatography along with robust column technology allows for improved resolution of polymers with significantly shorter run times. Advances in instrument and column design provide better control of separation parameters, enabling precise data generation for polymer characterization.

TUESDAY, APRIL 9

Adapting to Today's Student—New Technologies & Innovative Methodologies. *Sponsor:* McGraw-Hill Higher Education, Booth 325, Workshop Room 1, 8:30 to 11 AM. McGraw-Hill is paving the way in adaptive learning. Their new adaptive technology suite has been featured in publications such as the *Wall Street Journal* and *USA Today* and at events including the Consumer Electronics Show and the Educause Conference. Become acquainted with the future of student learning. Two workshops will be hosted by passionate educators who will provide peer-to-peer demonstrations of the most sophisticated platforms available within adaptive-learning technologies and assessment. From 8:30 to 9:30 AM, the presenters will discuss their experience using adaptive-learning technologies to effectively teach chemistry and increase student success rates. From 10 to 11 AM, the discussion will shift to innovative tools (including ChemDraw Web), mechanism and retrosynthesis problems, and knowledge assessment. Application of systems to novel teaching solutions will also be discussed.

Author Workshop—How To Successfully Publish Scientific Articles. *Sponsor:* Elsevier B.V., Booth 324, Workshop Room 2,

9 to 11 AM. This workshop is for early-career chemists in search of assistance to identify, prepare, and submit research articles to academic journals. The workshop will provide advice that includes best practices, tips, ethics, and the review process. Many questions frequently asked by new publishers will be addressed. Although registration is not compulsory, space is limited, so arrive early. The first 45 participants will receive a Scientific Publishing Starter Pack.

Addressing Toxicity in Drug Design: Introducing Derek Nexus for StarDrop. *Sponsor:* Optibrium, Booth 708, Workshop Room 1, noon to 2:30 PM. Learn more about Optibrium's StarDrop software and try a hands-on example to see how it intuitively guides decisions on the design and selection of high-quality compounds in drug discovery. This workshop will focus on the new Derek Nexus module for StarDrop, which integrates Lhasa's world-leading technology to predict key toxicities. Everyone is welcome, whether you are a current user or want to find out about StarDrop and how it may help your projects.

Making Difficult Chemistry a Reality: ThalesNano's Educational Flow Chemistry Symposium. *Sponsor:* ThalesNano Nanotechnology, Booth 821, Workshop Room 2, noon to 2:30 PM. The goal of this workshop is to show how flow chemistry can solve many chemistry problems. It will start with a general overview on the fundamentals of flow chemistry, so chemists who are not experts in this field can understand its advantages. This will be followed by real-world examples and a practical session. Flow chemistry is one of the hottest topics in organic chemistry today. The top 20 pharmaceutical firms are investing in flow technology; come learn about the emerging field.

Analysis of Polymers by FTIR Spectroscopy. *Sponsor:* Bruker, Booths 426 & 427, Morial Convention Center, Room 337, 3:30 to 6 PM. The latest advances in Fourier transform infrared instrumentation and its applications will be reviewed in this seminar with a thorough discussion of the following topics: polymers identification and classification; additives and contamination; thermal properties by TG-FTIR technique; defects analysis using FTIR microscopy; orientation of polymer segments; and

dynamic properties and 2-D correlation spectroscopy. Examples of applications include the classification of black rubbers, softener identification, the screening of flame retardants, polycarbonate contamination, fast reorientation of polymers in an electric field, and the behavior of polymers under periodic mechanical stress. The workshop will include a demonstration of the new Bruker FTIR microscope and hands-on sessions. Attendees can also bring samples for analysis.

Part I: Advances in Trace-Element Analysis. Part II: The Powerhouse of Chromatography Data Systems. *Sponsor:* Thermo Fisher Scientific, Booths 718 & 719, Morial Convention Center, Room Ro8, 3:30 to 6 PM. **Part I:** This presentation will highlight the advances that Thermo Fisher Scientific has made in the field of trace-element analysis and will include discussions on ion chromatography (IC), inductively coupled plasma (ICP), and speciation where IC and ICP-MS are coupled. A primary focus will be on environmental and food and beverage applications. **Part II:** With the recent introduction of Chromeleon 7.2, the power of the Chromeleon platform has expanded. This presentation will give an overview of these new capabilities and will highlight the various enhancements that this easy-to-use yet powerful software brings to the field of chromatography and mass spectrometry.

WEDNESDAY, APRIL 10

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