



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

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 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. As they say in New Orleans, *laissez les bons temps rouler!*—EMILY BONES

245TH ACS NATIONAL MEETING

NEW ORLEANS, April 7–11

LOCATED NEAR the French Quarter, the New Orleans Ernest N. Morial Convention Center will serve as the location to 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, 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 agen-

da, "Partners for Progress & Prosperity."

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 startups 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

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

TECHNICAL PROGRAM SUMMARY

Presidential Event

PRES

Marinda Wu, Program Chair

Morial Convention Center	S	M	Tu	W	Th
Understanding Climate Science: A Scientist's Responsibility**		A			
Vision 2025: How To Succeed in the Global Chemistry Enterprise**		D	A		
Water: A Grand Challenge for Science & Society**			A		
A New Vision for Chemistry Graduate Education			P		

Chemistry of Energy & Food

CHEF

Jim Seiber, Program Chair

Morial Convention Center / DoubleTree by Hilton New Orleans	S	M	Tu	W	Th
Chemistry of Energy & Food Plenary	P				
The Interconnected World of Energy, Food & Water**		D			
Nanoscience & Nanotechnology for Energy		P			
The Kavli Foundation Emerging Leader in Chemistry Lecture		P			
The Kavli Foundation Innovations in Chemistry Lecture		P			

Division of Agricultural & Food Chemistry

AGFD

L. Jackson, Program Chair

DoubleTree by Hilton New Orleans	S	M	Tu	W	Th
Undergraduate Symposium	A				
Applied Nanotechnology for Food & Agriculture** CHEF	D	A			
General Papers	D	A			D
Post-Disaster Chemistry CHEF	D				
Graduate Student Symposium	P				
Food Additives & Packaging**		D	D		
Recent Advances in Analytical Methods to Ensure Food Safety CHEF		D			

Division of Agricultural & Food Chemistry (continued)

AGFD

L. Jackson, Program Chair

DoubleTree by Hilton New Orleans	S	M	Tu	W	Th
James T. Grady-James H. Stack Award for Interpreting Chemistry for the Public: Symposium in Honor of Shirley O. Corriher CHEF	P				
Safety of Nanomaterials Used in Food & Food Packaging** CHEF	P				
Sci-Mix	E				
Natural Products for Health & Pharmaceuticals & Biotech			D	D	
Advances in Natural Product Utilization: Synthesis, Mechanisms & Process Development CHEF			D		
Chemistry of the Bar CHEF			D		
General Posters			P		
Advances in the Generation & Integration of Food Sensation & Cognition CHEF				D	D
Arsenic Contamination of Food & Water** CHEF				D	D
Nanosensors for Food Quality & Safety CHEF				D	
Nexus of Food, Energy & Water* (ENVR)	A				
Food & Its Environment: What Is In What We Eat?* (ENVR)	A			E	
Sustainable Energy, Food Risk & Emerging Pollutants: Expect the Unexpected* (ENVR)	A				
Chemistry Plus Food: Ingredients for Success in Business* (BMGT)	A				
The Interconnected World of Energy, Food & Water* (CHEF)	D				
Undergraduate Research Posters* (CHED)	P				
FoodInformatics: Applications of Chemical Information to Food Chemistry* (CINF)	P				
Advanced Nanoscale & Membrane Technologies in Energy & Food Production* (ENVR)				A	
Biofuels: Current Issues & Environmental Implications* (ENVR)				PE	A

Division of Agrochemicals

AGRO

S. Duke, Program Chair

Located with primary sponsor	S	M	Tu	W	Th
Arsenic Contamination of Food & Water* (AGFD)				D	D

Division of Analytical Chemistry

ANYL

T. Rossi, Program Chair

New Orleans Downtown Marriott at the Convention Center	S	M	Tu	W	Th
Advances in Analytical Spectroscopy	A	A			
Advances in Biopharmaceutical & Pharmaceutical Analysis	P				
Advances in Separation Science	P		A		
General Posters	P				
Frank H. Field & Joe L. Franklin Award for Outstanding Achievement in Mass Spectrometry: Symposium in Honor of David H. Russell		A			
Analytical Chemistry of the Deepwater Horizon Spill** CHEF		D			
Characterization of Algal Lipids		P			
Nanomaterials for Applications in Energy Science		P			
Sci-Mix		E			
Advances in Environmental Chemistry			A	A	
ACS Award in Analytical Chemistry: Symposium in Honor of Isiah M. Warner			D		
Analytical Challenges in Surface Analysis			P		
Analytical Applications of Nanoscale Technology			P	P	D
ACS Award in Chromatography: Symposium in Honor of Paul R. Haddad				A	
Nanomaterials for Applications in the Biological Sciences CHEF				D	A
Terahertz Spectroscopy: Problem Solving for the 21st Century** CHEF				P	P
WCC Rising Stars Symposium* (WCC)		D			
Undergraduate Research Posters* (CHED)		P			
ACS Award in Separations Science & Technology: Symposium in Honor of Fred E. Regnier* (I&EC)		P			
Heparin Synthesis, Analysis & Biological Functions* (CARB)		P			

Division of Analytical Chemistry (continued)

ANYL

T. Rossi, Program Chair

New Orleans Downtown Marriott at the Convention Center	S	M	Tu	W	Th
Environmental Fate of Petroleum Oils & Dispersants in the Marine Environment* (ENVR)		P		E	
Poster Session* (COMP)			E		
Air Monitoring* (ENVR)				E	A

Division of Biochemical Technology

BIOT

N. Rathore, E. Boder, Program Chairs

InterContinental New Orleans	S	M	Tu	W	Th
Industrial Biotechnology Award	A				
Biomolecular & Biophysical Processes	D	P	D	D	D
Downstream Processes	D	D	D	D	A
Emerging Technologies	D	D			
Upstream Processes CHEF	D	D	D	D	D
David Perlman Memorial Lecture	E				
QbD for Biopharmaceuticals: Tools & Approaches		A			
Sci-Mix		E			
Biosimilars & Follow-On Biologics: Development Considerations for Biosimilars			A		
Marvin J. Johnson Award in Microbial & Biochemical Technology			A		
Biofuels & Sustainable Energy** CHEF			P	D	D
Poster Session			E	E	
Alan S. Michaels Award in the Recovery of Biological Products				A	
Value Creation in Biotechnology				P	
BIOT Young Investigator Award				E	
Downstream Process Development: Case Studies in Novel Approaches					P

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**Primary organizer of a cosponsored symposium.

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PROGRAM SUMMARY

Division of Biochemical Technology (continued)

BIOT

N. Rathore, E. Boder, Program Chairs

InterContinental New Orleans	S	M	Tu	W	Th
Undergraduate Research Posters* (CHED)		P			
Lignocellulosic Biorefinery* (CELL)				P	D

Division of Biological Chemistry

BIOL

T. Wandless, Program Chair

DoubleTree by Hilton New Orleans	S	M	Tu	W	Th
Synthetic Biology	A				
Nucleic Acid Chemical Biology: Epigenetics Versus Repair	P				
Current Topics in Biological Chemistry	E		E		
Antibiotic Resistance & Drug Discovery**	A				
Next-Generation Molecules as Tools & Drugs		P			
Sci-Mix		E			
Chemical Biology of Infectious Disease**			A		
ACS Chemical Biology Award Symposium			P		
Graduate Student & Postdoctoral Researcher Symposium				A	
Gordon Hammes Award Lecture				P	
Breakthroughs in Biological Chemistry				P	
Chairs' Prime Choices* (COMP)	A	A			
Computational Study of Water* (COMP)	D	A			
Molecular Mechanics* (COMP)	D	P	P		
Alfred Bader Award in Bioinorganic or Bioorganic Chemistry: Symposium in Honor of David E. Cane* (ORGN)	P				
Drug Discovery* (COMP)	P	D	A		
Molecular-Based Approaches Toward the Regulation of Gene Transcription* (MEDI)		A			
Potential Function Uncertainty & Validation* (COMP)		A	A	A	A
Undergraduate Research Posters* (CHED)		P			
Ronald Breslow Award for Achievement in Biomimetic Chemistry: Symposium in Honor of Samuel I. Stupp* (ORGN)		P			
Protein-Ligand Interactions: Insights, New Tools & Applications in Drug Design* (COMP)		P	D	D	A

Division of Biological Chemistry (continued)

BIOL

T. Wandless, Program Chair

DoubleTree by Hilton New Orleans	S	M	Tu	W	Th
Membranes* (COMP)			P	P	
Targeting Lipid Signaling Enzymes in Drug Discovery* (MEDI)			P		
Collaborative Drug Discovery for Neglected Diseases* (COMP)				P	
Nanosimulations & Nanoinformatics* (COMP)				P	

Division of Business Development & Management

BMGT

D. Daly, Program Chair

InterContinental New Orleans	S	M	Tu	W	Th
Chemistry Plus Food: Ingredients for Success in Business** <small>CHEF</small>		A			
ACS Award in Industrial Chemistry: Symposium in Honor of Anne M. Gaffney**		D	D		
Open Innovation in the Chemical Industry				P	

Division of Carbohydrate Chemistry

CARB

X. Huang, Program Chair

New Orleans Downtown Marriott at the Convention Center	S	M	Tu	W	Th
Wolfrom Award Symposium	A				
Isbell Award & Gin New Investigator Award Symposium	P				
2012 Hudson Award Symposium		A			
Biofuels, Bioproducts & Biomass from Sugar Feedstocks		D			
Heparin Synthesis, Analysis & Biological Functions**		P	D		
Sci-Mix		E			
60+ Years of Advances in Carbohydrate Chemistry & Biochemistry: Symposium in Honor of Derek Horton			D		
General Posters			E		
Current Topics in Glycoscience				D	A

Division of Catalysis Science & Technology

CATL

C. Sievers, P. Christopher, Program Chairs

Morial Convention Center	S	M	Tu	W	Th
George A. Olah Award in Hydrocarbon or Petroleum Chemistry: Symposium in Honor of Alexis T. Bell** <i>CHEF</i>	D	D			
Frustrated Lewis Acid/Base Catalysis	D	A			
C-H Activation		D			
Creative Research in Catalysis: Symposium in Honor of Tobin J. Marks**		P	D		
Sci-Mix		E			
Enzymatic Catalysis			A		
Catalysis by Materials with Well-Defined Structures			P	D	D
Catalysis Science & Technology Poster Session			E		
Catalysts for Renewable Fuels & Chemicals <i>CHEF</i>				D	A
Novel Discoveries in Catalysis					D
75 Years of Hydroformylation* (I&EC)	D				
Chiral Surfaces & Enantioselectivity* (COLL)	D				
ACS Award in Industrial Chemistry: Symposium in Honor of Anne M. Gaffney* (BMGT)		D	D		
Gabor A. Somorjai Award for Creative Research in Catalysis: Symposium in Honor of Tobin J. Marks* (INOR)			A		

Division of Cellulose & Renewable Materials

CELL

T. Elder, Program Chair

Morial Convention Center	S	M	Tu	W	Th
100 Years of Cellulose Diffraction	D	D	A		
1st International Symposium on Bacterial NanoCellulose	D	D			
From Cellulose Raw Materials to Novel Products: Anselme Payen Award Symposium in Honor of Hans-Peter Fink	D	D	D		
CELL Poster Session	E				
Sci-Mix		E			
Composites from Natural Resources**			D	D	A
Renewable Building Blocks in Coating Materials			P	A	

Division of Cellulose & Renewable Materials (continued)

CELL

T. Elder, Program Chair

Morial Convention Center	S	M	Tu	W	Th
Cellulosic Chemistry of Food**				A	
Fundamentals & Practice of Cell Wall Deconstruction <i>CHEF</i>				D	D
ACS Award for Affordable Green Chemistry: Symposium in Honor of Hari B. Sunkara**				P	
Lignocellulosic Biorefinery**				P	D

Division of Chemical Education

CHED

I. Levy, C. Gauthier, N. Snyder, Program Chairs

Morial Convention Center	S	M	Tu	W	Th
ACS-CEI Award for Incorporating Sustainability into Chemistry Education**	A				
Innovative Laboratory Experiments & Programs for Nonmajors	A				
High School Program**	D				
Chemistry Education Research	D			D	
NMR Spectroscopy in the Undergraduate Curriculum**	D				
Undergraduate Research Papers	D	A			
Green Chemistry: Theory & Practice**	P				
NSF-Catalyzed Innovations in Undergraduate Education	P				
General Posters	E				
Finding & Thriving in an Academic Career in Chemistry**		A			
Chemistry Education: International & Multicultural Perspectives		D			
Increasing Student Comprehension & Retention in the Undergraduate Organic or Inorganic Curriculum		D	A		
Process Oriented Guided Inquiry Learning & the Science Writing Heuristic in the Classroom & in the Laboratory		D			

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PROGRAM SUMMARY

Division of Chemical Education (continued)

CHED

I. Levy, C. Gauthier, N. Snyder, Program Chairs

Morial Convention Center	S	M	Tu	W	Th
From Benchtop to Business: Energy Solutions for a Green Future**		D			
Undergraduate Research Posters**		DE			
Evolution of the ACS Approval Process: Moving Beyond the 2008 Guidelines		P			
Sci-Mix		E			
Successful Student Chapters**		E			
ACS Award for Achievement in Research for the Teaching & Learning of Chemistry: Symposium in Honor of Mary B. Nakhleh			A		
ACS Award for Encouraging Disadvantaged Students into Careers in the Chemical Sciences: Symposium in Honor of George H. Fisher**			A		
Developing & Maintaining a Successful Undergraduate Research Program			D		
Integrating Chemistry & Polymer Science Research into the Classroom			D		
General Papers			P		A
George C. Pimentel Award in Chemical Education: Symposium in Honor of Conrad L. Stanitski			P		
Molecular Modeling in the Undergraduate Curriculum			P		
Curriculum Development & Teaching in Chemistry Laboratory				A	
Beyond Multiple Choice: Assessment in the Digital Age				D	
cCWCS: Developing Scholarly Communities To Transform Undergraduate Education				D	
Chemistry Education Research: Graduate Student Research Forum				D	
Research on Learning in the Laboratory				P	
ACS Award for Research at an Undergraduate Institution: Symposium in Honor of Nancy S. Mills* (ORGN)	A				
Library Cafés, Intellectual Commons & Virtual Services, Oh My! Charting New Routes for Users into Research Libraries* (CINF)	D				

Division of Chemical Education (continued)

CHED

I. Levy, C. Gauthier, N. Snyder, Program Chairs

Morial Convention Center	S	M	Tu	W	Th
Empowering Equal Access for Persons with Disabilities in the Chemical Profession* (PROF)	A				
ACS GREET Award: Outcomes of the 2012 Global Research Experiences, Exchanges & Training Program Laureate Teams* (IAC)	A				
Sustainability in the Chemical Sciences: Models & Case Studies for Education* (CEI)	P				
Proposing & Administering a Successful REU Program* (PROF)	P				
What Is Chemistry Education Research?* (YCC)	P				
Poster Session* (COMP)			E		
Nobel Laureate Signature Award for Graduate Education in Chemistry: Symposium in Honor of Bryan C. Dickinson & Christopher J. Chang* (ORGN)				A	

Division of Chemical Health & Safety

CHAS

L. Stroud, D. Decker, Program Chairs

Morial Convention Center	S	M	Tu	W	Th
Chemical Safety Aspects of Animal Use Protocol Risk Assessments**	P				
Ask Dr. Safety About Dealing with Especially Hazardous Materials**	P				
Health, Safety, Security & Environment: A Global Prospective**	P				
Sci-Mix		E			
Complying with the New OSHA Hazard Communication Standard**			A		
Academia & Industrial Pilot Plant Operations & Safety* (I&EC)			A		

Division of Chemical Information

CINF

J. Garritano, Program Chair

Morial Convention Center	S	M	Tu	W	Th
Library Cafés, Intellectual Commons & Virtual Services, Oh My! Charting New Routes for Users into Research Libraries**	D				
Advances in Visualizing & Analyzing Biomolecular Screening Data**	D	A			
CINFlash	P				
CINF Scholarship for Scientific Excellence	E				
Scholarly Communication: New Models, New Media, New Metrics**		D			
Food for Thought: Alternative Careers in Chemistry**		P			
FoodInformatics: Applications of Chemical Information to Food Chemistry**		P			
Sci-Mix		E			
Linking Bioinformatic Data & Cheminformatic Data			D		
Public Databases Serving the Chemistry Community			D	A	
Balancing Chemistry on the Head of a Pin: Multi-Parameter Optimization				A	
Advances in Virtual High-Throughput Screening				P	
Computational de novo Protein & Peptide Design**				P	
General Papers					A
Chairs' Prime Choices* (COMP)	A	A			
Computational Study of Water* (COMP)	D	A			
Drug Discovery* (COMP)	D	D	A		
Material Science* (COMP)	P	P			
Potential Function Uncertainty & Validation* (COMP)		A	A	A	A
Protein-Ligand Interactions: Insights, New Tools & Applications in Drug Design* (COMP)		P	D	D	A
Membranes* (COMP)			P	P	
Poster Session* (COMP)			E		
Mobile Applications* (COMP)				A	
Collaborative Drug Discovery for Neglected Diseases* (COMP)				P	
Nanosimulations & Nanoinformatics* (COMP)				P	

Division of Chemical Toxicology

TOXI

W. Humphreys, Program Chair

Located with primary sponsor	S	M	Tu	W	Th
Food Additives & Packaging* (AGFD)		D	D		
Drug Discovery* (COMP)			A		
Collaborative Drug Discovery for Neglected Diseases* (COMP)				P	
Nanosimulations & Nanoinformatics* (COMP)				P	

Division of Chemistry & the Law

CHAL

J. Hasford, K. Bianco, Program Chairs

Morial Convention Center	S	M	Tu	W	Th
Strengthening Your Patent Rights in Light of Recent Federal Circuit Court Decisions	A				
Decoding the Mysteries of Patent Law for Small To Mid-Sized Companies or Solo Inventors	P				
Recent Developments in Intellectual Property Law: Patents & Trade Secrets		A			
Identifying, Protecting & Enforcing Pharmaceutical Patent Rights in Solid Forms		P			
Sci-Mix		E			
Patent Law Changes, Court Decisions & Internal Process Hurdles: How Innovation Thrives Despite It All			A		
Beyond the Bench: Nontraditional Careers in Chemistry			P		
The Importance & Evidentiary Ramifications of Reducing Error in Forensic Analytical Chemistry: Metrology in the Courtroom				D	
The Many Faces of CHAL: Where Chemistry Meets the Law					A
Food Additives & Packaging* (AGFD)		D	D		
Ethics Programs in Corporations & Institutions* (PROF)			A		

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PROGRAM SUMMARY

Division of Colloid & Surface Chemistry

COLL

R. Nagarajan, Program Chair

New Orleans Marriott	S	M	Tu	W	Th
Emulsions, Bubbles & Foams: Fundamentals & Applications**	A	DE	A	D	D
Arthur W. Adamson Award for Distinguished Service in the Advancement of Surface Chemistry: Symposium in Honor of Ulrike Diebold	D	D	A		
Biomembrane Synthesis, Structure, Mechanics & Dynamics	D	D	A	D	
Gold & Silver Nanostructures for Optical Spectroscopy Enhancement, Sensing & Renewable Energy	D	DE	A	D	D
Remotely Controlled Colloids & Interfaces	D	D	A	D	
Chemical Pictures of Environmental Interfaces: Advances in Molecular-Level Understanding & Quantitative Analysis of Species**	D	DE	A		
Chiral Surfaces & Enantioselectivity**	D				
Frontier of the Interface of Materials & Biology: Using Materials Approach To Investigate Cellular & Other Biological Systems	D	D			
Interfacially Active Peptides	D	D	A	A	
Surface Chemistry in Oncology	P				
ACS Award in Colloid & Surface Chemistry: Symposium in Honor of Steve Granick	D				
ACS Award in the Chemistry of Materials: Symposium in Honor of Younan Xia	D				
Formulating for Precision at the Nanometer Scale	E			D	A
Fundamental Research in Colloid & Surface Science	E				
New Frontiers & Challenges in Biomaterials Analysis	E			D	D
One Hundred Years of Micelles: Advances in Molecular Self-Assembly			A	D	D
ACS Awards Lectures Symposium			P		
Characterization of Interfaces at Molecule Length Scales				D	D
Marine Biosurfaces & Interfaces				D	D
Nanostructured Photocatalysts for Direct CO ₂ Reduction**				P	D
Fundamental Research in Surface Science of Bio/Nano Materials					P

Division of Colloid & Surface Chemistry (continued)

COLL

R. Nagarajan, Program Chair

New Orleans Marriott	S	M	Tu	W	Th
Approaching the Surface: Interrogating Chemical Interactions at the Mineral-Water Interface* (GEOC)	A		P		A
Sorption Reversibility of Organic & Inorganic Pollutants in Natural Solids: The Elephant in the Room?* (ENVR)	D	A			
E. V. Murphree Award in Industrial & Engineering Chemistry: Symposium in Honor of Esther S. Takeuchi* (ENFL)		D			
Advances in Understanding the Chemistry of Light Elements at Environmental Interfaces* (GEOC)	P		A	P	
Material Science* (COMP)	P	P			
WCC Rising Stars Symposium* (WCC)		D			
Membranes* (COMP)			P	P	
Poster Session* (COMP)			E		
ACS Award for Encouraging Women into Careers in the Chemical Sciences: Symposium in Honor of Heather C. Allen* (WCC)				D	

Division of Computers in Chemistry

COMP

E. Esposito, S. Wildman, Program Chairs

Morial Convention Center	S	M	Tu	W	Th
Chairs' Prime Choices**	A	A			
Computational Study of Water**	D	A			
Drug Discovery**	D	D	D		
Quantum Chemistry**	D	D	D	D	A
Molecular Mechanics**	D	P	P		
Material Science**	P	P			
Thomas Kuhn Paradigm Shift Award**	P				
Potential Function Uncertainty & Validation**		A	A	A	A
ACS Award for Computers in Chemical & Pharmaceutical Research: Symposium in Honor of H. Bernhard Schlegel**		P	D		
Protein-Ligand Interactions: Insights, New Tools & Applications in Drug Design**		P	D	D	A
Sci-Mix		E			
Membranes**			P	P	

Division of Computers in Chemistry (continued)

COMP

E. Esposito, S. Wildman, Program Chairs

Morial Convention Center	S	M	Tu	W	Th
Poster Session**			E		
Chemical Computing Group Excellence Award for Graduate Students**			E		
OpenEye Outstanding Junior Faculty Award**			E		
Mobile Applications**				A	
Theory & Computational Modeling of Coupled Transport Processes**				D	A
Collaborative Drug Discovery for Neglected Diseases**				P	
Nanosimulations & Nanoinformatics**				P	
Advances in Visualizing & Analyzing Biomolecular Screening Data* (CINF)	D	A			
Computational Neuroscience Advances in Drug Abuse & Addiction* (SOCED)	P				
Library Cafés, Intellectual Commons & Virtual Services, Oh My! Charting New Routes for Users into Research Libraries* (CINF)	P				
Undergraduate Research Posters* (CHED)		P			
Computational de novo Protein & Peptide Design* (CINF)				P	
Identification of Environmental Abiotic & Biotic Reactions Using Computational Chemistry* (ENVR)				E	A

Division of Energy & Fuels

ENFL

Y. Hu, T. Gardner, Program Chairs

Morial Convention Center	S	M	Tu	W	Th
10th International Symposium on Heavy Oil Upgrading, Production & Characterization	D	D	A		
Catalysts for Energy Conversion & Storage <i>CHEF</i>	D	D	D		
Metal-Organic Frameworks for Energy & Fuels	D	D			
Theory & Simulation in Energy & Fuel Production & Utilization	D	P	D		
Solar Energy & Solar Fuels <i>CHEF</i>	D	D	D	D	A
Chemistry of Petroleum Technologies	D				

Division of Energy & Fuels (continued)

ENFL

Y. Hu, T. Gardner, Program Chairs

Morial Convention Center	S	M	Tu	W	Th
CO ₂ Capture, Sequestration, Conversion & Utilization**	D	D	D	D	A
Dye-Sensitized Solar Cells & Organic Solar Cells	D				
Nanomaterials & Nanotechnologies for Energy & Fuels <i>CHEF</i>	D	D	A		
Novel Materials for Catalysis & Fuels Processing	D				
Advances in X-to-Liquids Technologies (X=Biomass, Coal & Natural Gas): Chemistry, Reactor & Process Design <i>CHEF</i>	P				
Theory & Simulation in Energy & Fuel Production & Utilization		A			
E. V. Murphree Award in Industrial & Engineering Chemistry: Symposium in Honor of Esther S. Takeuchi**		D			
X-Ray & Neutron Scattering		D	A		
Carbon-Based Materials for Energy Conversion & Storage <i>CHEF</i>		D	D	D	A
Energy & Fuels Distinguished Researcher Award in Petroleum Chemistry: Symposium in Honor of Burtron H. Davis		D	D	D	
Sci-Mix		E			
Hydrogen Production, Storage & Utilization			D	D	A
Bioenergy & Biofuels** <i>CHEF</i>			D	D	A
Frontiers in Energy & Fuels Research <i>CHEF</i>			P	D	A
Fuel Cell Science & Technologies			P	D	A
Advances in Batteries			P	D	A
Advances in Energy & Fuels Processes, Systems, Materials & Utilization			P		
Capacitors & Related Systems for Energy Storage				D	A
Ultraclean Fuels Production & Utilization <i>CHEF</i>				D	A

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Division of Energy & Fuels (continued)

E N F L

Y. Hu, T. Gardner, Program Chairs

Morial Convention Center	S	M	Tu	W	Th
The Hydrogen Economy Is Fueled by Small Businesses* (SCHB)	A				
George A. Olah Award in Hydrocarbon or Petroleum Chemistry: Symposium in Honor of Alexis T. Bell* (CATL)	D	D			
Alternative Fuels: Intellectual Property, Regulatory & Capital Formation Issues* (SCHB)		A			
Algae, Biofuels & CO ₂ * (SCHB)		P			
ACS Award in Industrial Chemistry: Symposium in Honor of Anne M. Gaffney* (BMGT)		P	D		
Biofuels: Current Issues & Environmental Implications* (ENVR)				PE	A

Division of Environmental Chemistry

E N V R

S. Al-Abed, Program Chair

New Orleans Downtown Marriott at the Convention Center	S	M	Tu	W	Th
Carbon Dynamics & the Biogeochemical Cycling of Major & Minor Elements**	A			E	
Nexus of Food, Energy & Water**	A				
Food & Its Environment: What Is In What We Eat?*	A			E	
Sorption Reversibility of Organic & Inorganic Pollutants in Natural Solids: The Elephant in the Room?*	D	A			
Chemistry & Applications of Advanced Oxidation Processes for Removal of Contaminants of Emerging Concern	D	D	D	DE	A
Energy Recovery from Waste: Technological & Environmental Issues**	P			E	
Nanotoxicity & Human Health Risk: Relevance to Environmental Chemistry & Fate	P			E	
Sustainable Energy, Food Risk & Emerging Pollutants: Expect the Unexpected**		A			
Occurrence, Detection, Fate & Removal of Pharmaceutical & Personal Care Products in Potable Water Sources**		D		E	
Transformative Nanotechnologies: Energy & Environment, Solutions & Challenges		D	D	AE	

Division of Environmental Chemistry (continued)

E N V R

S. Al-Abed, Program Chair

New Orleans Downtown Marriott at the Convention Center	S	M	Tu	W	Th
Environmental Fate of Petroleum Oils & Dispersants in the Marine Environment**		P		E	
Sci-Mix		E			
Green Chemistry Fostered Advances for Chemicals & Fuel Production**			D	DE	
Physicochemical Characterization of Organic Matter: Past, Present, Future & Role in the Environment			D	DE	A
ACS Award for Creative Advances in Environmental Science & Technology: Symposium in Honor of Donald R. Blake			D		
Advanced Nanoscale & Membrane Technologies in Energy & Food Production**				A	
Biofuels: Current Issues & Environmental Implications**				PE	A
Air Monitoring**				E	A
General Posters				E	
Identification of Environmental Abiotic & Biotic Reactions Using Computational Chemistry**				E	A
Approaching the Surface: Interrogating Chemical Interactions at the Mineral-Water Interface* (GEOC)	A		P		A
Applied Nanotechnology for Food & Agriculture* (AGFD)	D	A			
Chemical Pictures of Environmental Interfaces: Advances in Molecular-Level Understanding & Quantitative Analysis of Species* (COLL)	D	DE	A		
Redox Processes at Mineral-Water Interfaces & their Impacts on Metal Biogeochemical Cycling & Contaminant Remediation* (GEOC)	P		A		
Analytical Chemistry of the Deepwater Horizon Spill* (ANYL)		D			
Undergraduate Research Posters* (CHED)		P			
Sustainability in the Chemical Sciences: Models & Case Studies for Education* (CEI)		P			
Safety of Nanomaterials Used in Food & Food Packaging* (AGFD)		P			

Division of Environmental Chemistry (continued)

ENVR

S. Al-Abed, Program Chair

New Orleans Downtown Marriott at the Convention Center	S	M	Tu	W	Th
Natural Hydrocarbon Seeps: Toward Understanding a Complex Natural System* (GEOC)			A		
Beyond Using <i>n</i> -Alkanes & PAHs: What Else Have We Learned About Environmental Geochemistry since Deepwater Horizon?* (GEOC)				A	
Arsenic Contamination of Food & Water* (AGFD)				D	D
Nanostructured Photocatalysts for Direct CO ₂ Reduction* (COLL)				P	D

Division of Fluorine Chemistry

FLUO

M. Etzkorn, Program Chair

Hampton Inn & Suites Convention Center	S	M	Tu	W	Th
ACS Award for Creative Work in Fluorine Chemistry: Symposium in Honor of Iwao Ojima** CHEF	D	D			

Division of Geochemistry

GEOC

M. Taillefert, Program Chair

Morial Convention Center	S	M	Tu	W	Th
Approaching the Surface: Interrogating Chemical Interactions at the Mineral-Water Interface**	A		P		A
Atomistic Computational Geochemistry: Atomic-Level Processes with Macroscopic Implications	A	A	P	A	P
Advances in Understanding the Chemistry of Light Elements at Environmental Interfaces** CHEF	P		A	P	
Redox Processes at Mineral-Water Interfaces & their Impacts on Metal Biogeochemical Cycling & Contaminant Remediation**	P		A		
Geochemistry of Sulfur		A			
Mineral & Organic Matter Aggregates in Natural Environments		A		P	
2013 Geochemistry Division Medal Symposium		P			

Division of Geochemistry (continued)

GEOC

M. Taillefert, Program Chair

Morial Convention Center	S	M	Tu	W	Th
Sci-Mix		E			
Natural Hydrocarbon Seeps: Toward Understanding a Complex Natural System** CHEF			A		
Biogeochemical Transformation of Transition Elements in Aquatic Systems: Symposium in Honor of George W. Luther's Accomplishments in Geochemistry			P	D	A
Beyond Using <i>n</i> -Alkanes & PAHs: What Else Have We Learned About Environmental Geochemistry since Deepwater Horizon?* CHEF				A	
Carbon Dynamics & the Biogeochemical Cycling of Major & Minor Elements* (ENVR)	A			E	
Sorption Reversibility of Organic & Inorganic Pollutants in Natural Solids: The Elephant in the Room?* (ENVR)	D	A			
Undergraduate Research Posters* (CHED)		P			
Environmental Fate of Petroleum Oils & Dispersants in the Marine Environment* (ENVR)		P		E	

Division of History of Chemistry

HIST

S. Rasmussen, Program Chair

New Orleans Downtown Marriott at the Convention Center	S	M	Tu	W	Th
HIST Tutorial & General Papers	A				
Mary L. Good: Her Legacy in Science, Policy & Service**	P				
12th Archaeological Chemistry Symposium**		D	D		
Sci-Mix		E			
Historical Origins of Mass Spectrometry**				A	

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

**Primary organizer of a cosponsored symposium.

CHEF: Chemistry of Energy & Food.

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PROGRAM SUMMARY

Division of Industrial & Engineering Chemistry

I & E C

M. Moore, Program Chair

Morial Convention Center	S	M	Tu	W	Th
ACS Award for Team Innovation: Symposium in Honor of April J. Carman, Dustin Caldwell, Glen E. Fryxell, Kenneth G. Rappé & Thomas S. Zemanian**	A				
75 Years of Hydroformylation**	D				
Industrial & Engineering Applied Chemical Technology Fellow: Symposium in Honor of Christopher Menzies**	P				
Undergraduates Collaborating for the Future**		A			
Industrial & Engineering Chemistry Fellow: Symposium in Honor of Larry Erickson		D			
ACS Award in Separations Science & Technology: Symposium in Honor of Fred E. Regnier**		P			
Sci-Mix		E			
Industrial & Engineering Chemistry Fellow: Symposium in Honor of Douglas Gin			A		
Lithium Process Chemistry: Resource Extraction, Material Production & Recycling			D	D	
Academia & Industrial Pilot Plant Operations & Safety**			D		
Development & Use of Adsorptive Membranes in Separation Science**				A	
General Papers				P	A
General Posters					A
E. V. Murphree Award in Industrial & Engineering Chemistry: Symposium in Honor of Esther S. Takeuchi* (ENFL)		D			
ACS Award in Industrial Chemistry: Symposium in Honor of Anne M. Gaffney* (BMGT)		P	D		
Analytical & Chemistry Solutions To Nuclear Forensic Problems* (NUCL)			P	D	D

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Division of Inorganic Chemistry

I N O R

S. Koch, N. Radu, Program Chairs

Morial Convention Center	S	M	Tu	W	Th
Chemistry of Materials	AE		P	P	D
Coordination Chemistry	AE		PE	A	D
ACS Award in Pure Chemistry: Symposium in Honor of Theodor Agapie	D		A		
ACS Award in Organometallic Chemistry: Symposium in Honor of Gregory L. Hillhouse	D	P			
Metals in Medicine: Diagnostic & Therapeutic Applications	DE				
ACS Award for Distinguished Service in the Advancement of Inorganic Chemistry: Symposium in Honor of Peter C. Ford	DE	P			
ACS Award in Inorganic Chemistry: Symposium in Honor of Daniel L. DuBois	DE		A		
Francis P. Garvan-John M. Olin Medal: Symposium in Honor of Susan M. Kauzlarich	DE	P			
Nanoscience	DE		DE	A	D
Organometallic Chemistry	DE	P	PE	D	D
Undergraduate Research at the Frontiers of Inorganic Chemistry	DE	P	A		
Inorganic Spectroscopy	P		E		A
Lanthanide & Actinide Chemistry	P		E		A
Bioinorganic Chemistry: Proteins & Enzymes & Model Systems	E	P		P	A
ACS Awards in Inorganic Chemistry: Plenary Session		D			
Ipatieff Prize: Symposium in Honor of Melanie S. Sanford		P	A		
Main Group Chemistry		P	E		A
Metal-Organic Frameworks: Where Do We Stand?		P	DE	D	
Ultrafast Excited-State Dynamics in Transition Metal-Containing Systems		P	D	D	
Sci-Mix		E			
Gabor A. Somorjai Award for Creative Research in Catalysis: Symposium in Honor of Tobin J. Marks**			A		
F. Albert Cotton Award in Synthetic Inorganic Chemistry: Symposium in Honor of Gregory H. Robinson			D	A	
Heterobimetallic Compounds & their Chemistry			DE	D	

Division of Inorganic Chemistry (continued)

INOR

S. Koch, N. Radu, Program Chairs

Morial Convention Center	S	M	Tu	W	Th
Organometallic Developments in C–H Bond Activation			DE	D	
National Fresenius Award: Symposium in Honor of Theodore Betley			P		
Inorganic Catalysts			PE		P
Bioinorganic Chemistry: DNA, RNA & Inorganic Drugs			E	P	P
Electrochemistry			E	P	
Environmental & Energy-Related Inorganic Chemistry <small>CHEF</small>			E	D	A
Ultrafast Excited-State Processes in Transition-Metal-Containing Systems			E		
75 Years of Hydroformylation* (I&EC)	D				
From Benchtop to Business: Energy Solutions for a Green Future* (CHED)		D			
WCC Rising Stars Symposium* (WCC)		D			
Creative Research in Catalysis: Symposium in Honor of Tobin J. Marks* (CATL)	P	D			

Division of Medicinal Chemistry

MEDI

J. Barrish, Program Chair

Morial Convention Center	S	M	Tu	W	Th
Drugging Individual Isoforms of PI3K: New Insights into Function	A				
Harnessing Atypical Molecular Interactions in Drug Design	A				
General Oral Session	D		A	P	
Atypical (Nontraditional) Elements in Medicinal Chemistry**	P				
Global Health Challenges: The Need for New Anti-Infectives & Antivirals	P				
General Poster Session**	E			E	
Molecular-Based Approaches Toward the Regulation of Gene Transcription**		A			
Recent Advances in the Discovery of Drugs Acting on the Nitric Oxide Pathway		A			
E. B. Hershberg Award for Important Discoveries in Medicinally Active Substances: Symposium in Honor of Bruce E. Maryanoff		P			

Division of Medicinal Chemistry (continued)

MEDI

J. Barrish, Program Chair

Morial Convention Center	S	M	Tu	W	Th
Therapeutic Strategies & Challenges in the Treatment of Multiple Sclerosis	P				
Mechanisms of Drug Resistance in Cancer & Novel Therapies	P				
Sci-Mix	E				
MEDI Awards Symposium**			A		
Neuropeptidergic Targets for CNS Disorders: Chemistry & Biology			P		
Targeting Lipid Signaling Enzymes in Drug Discovery**			P		
Fluorine in Medicinal Chemistry**				A	
Targeted Covalent Inhibition in Drug Discovery				A	
Young Investigators in Medicinal Chemistry				A	
First Time Disclosures				P	
ACS Award for Creative Work in Fluorine Chemistry: Symposium in Honor of Iwao Ojima* (FLUO)	A				
Chairs' Prime Choices* (COMP)	A	A			
Computational Study of Water* (COMP)	D	A			
Drug Discovery* (COMP)	D	D	A		
Molecular Mechanics* (COMP)	D	P	P		
Quantum Chemistry* (COMP)	P	P	P	D	A
Antibiotic Resistance & Drug Discovery* (BIOL)		A			
Potential Function Uncertainty & Validation* (COMP)		A	A	A	A
WCC Rising Stars Symposium* (WCC)		D			
Undergraduate Research Posters* (CHED)		P			
Ronald Breslow Award for Achievement in Biomimetic Chemistry: Symposium in Honor of Samuel I. Stupp* (ORGN)		P			
Protein-Ligand Interactions: Insights, New Tools & Applications in Drug Design* (COMP)		P	D	D	A
Chemical Biology of Infectious Disease* (BIOL)			A		
Poster Session* (COMP)			E		
Mobile Applications* (COMP)				A	

PROGRAM SUMMARY

Division of Medicinal Chemistry (continued)

MEDI

J. Barrish, Program Chair

Morial Convention Center	S	M	Tu	W	Th
Ralph F. Hirschmann Award in Peptide Chemistry: Symposium in Honor of Dale L. Boger* (ORGN)				P	
Collaborative Drug Discovery for Neglected Diseases* (COMP)				P	
Nanosimulations & Nanoinformatics* (COMP)				P	

Division of Nuclear Chemistry & Technology

NUCL

K. Nash, J. Braley, R. Rundberg, Program Chairs

Hampton Inn & Suites Convention Center	S	M	Tu	W	Th
General Topics in Nuclear & Radiochemistry	A				A
Analytical Chemistry in Nuclear Technology	D	D	A		
Isotope Production: Past, Present & Future: Symposium in Honor of Michael J. Welch	D	D			
Glenn T. Seaborg Award for Nuclear Chemistry: Symposium in Honor of Richard G. Haire	P	D	D	D	
Analytical & Chemistry Solutions To Nuclear Forensic Problems**			D	D	D
Radiochemistry & Risk Assessment of Food & Water Contaminated with Radionuclides <small>CHEF</small>			P	D	D

Division of Organic Chemistry

ORGN

M. McIntosh, R. Gawley, Program Chairs

Morial Convention Center	S	M	Tu	W	Th
Chemistry of Energy & Food <small>CHEF</small>	A				
Enantioselective Catalysis: Addressing the Challenge of Reactivity through the Study of Mechanism	A				
ACS Award for Research at an Undergraduate Institution: Symposium in Honor of Nancy S. Mills**	A				
Materials, Devices & Switches	D	A			
New Reactions & Methodology	D	D	D		
Heterocycles & Aromatics	D	D			

Division of Organic Chemistry (continued)

ORGN

M. McIntosh, R. Gawley, Program Chairs

Morial Convention Center	S	M	Tu	W	Th
Metal-Mediated Reactions	D	D	A		
Advances in Green Chemistry	P				
Alfred Bader Award in Bioinorganic or Bioorganic Chemistry: Symposium in Honor of David E. Cane**	P				
Photocatalysis in Organic Synthesis	P				
Chemistry of Energy & Food, Asymmetric Reactions & Syntheses, Total Synthesis of Complex Molecules, Biologically Related Molecules & Processes	E				
Biologically Related Molecules & Processes		A	A		
James Flack Norris Award in Physical Organic Chemistry: Symposium in Honor of Ned A. Porter		A			
Elias J. Corey Award for Outstanding Original Contribution in Organic Synthesis by a Young Investigator: Symposium in Honor of Martin D. Burke		A			
Herbert C. Brown Award for Creative Research in Synthetic Methods: Symposium in Honor of John F. Hartwig		P			
Process Chemistry: New Developments in Pharmaceutical Processes		P			
Ronald Breslow Award for Achievement in Biomimetic Chemistry: Symposium in Honor of Samuel I. Stupp**		P			
Total Synthesis of Complex Molecules		P	A		
Sci-Mix		E			
Ernest Guenther Award in the Chemistry of Natural Products: Symposium in Honor of Kuniaki Tatsuta			A		
Asymmetric Reactions & Synthesis			D	D	
Graphene Chemistry			D	A	
ACS Award for Creative Work in Synthetic Organic Chemistry: Symposium in Honor of Erick M. Carreira			P		
Molecular Recognition & Self-Assembly			P	D	
Peptides, Proteins & Amino Acids			P	A	
Physical Organic Chemistry: Calculations, Mechanisms, Photochemistry & High-Energy Species			P	D	

Division of Organic Chemistry (continued)

ORGN

M. McIntosh, R. Gawley, Program Chairs

Morial Convention Center	S	M	Tu	W	Th
Graphene Chemistry, Metal-Mediated Reactions & Syntheses, Molecular Recognition & Self-Assembly, Physical Organic Chemistry, Materials Devices & Switches			E		
ACS Award for Creative Research & Applications of Iodine Chemistry: Symposium in Honor of Nancy S. Goroff				A	
Nobel Laureate Signature Award for Graduate Education in Chemistry: Symposium in Honor of Bryan C. Dickinson & Christopher J. Chang**				A	
Recent Advances from Chemical Methodology & Library Development Centers				P	
Ralph F. Hirschmann Award in Peptide Chemistry: Symposium in Honor of Dale L. Boger**				P	
New Reactions & Methodology, Heterocycles & Aromatics				E	
ACS Award for Creative Work in Fluorine Chemistry: Symposium in Honor of Iwao Ojima* (FLUO)	A				
From Benchtop to Business: Energy Solutions for a Green Future* (CHED)		D			
WCC Rising Stars Symposium* (WCC)		D			
Poster Session* (COMP)			E		
Fluorine in Medicinal Chemistry* (MEDI)				A	

Division of Physical Chemistry

PHYS

J. Bowman, Program Chair

Astor Crowne Plaza—New Orleans	S	M	Tu	W	Th
Frontiers in RNA Catalysis & Folding: Interface of Theory & Experiment	D	D		D	
Combustion Chemistry	D	D			
Accurate Characterization of Noncovalent Interactions: From Small Molecules To Supramolecular Chemistry	D	P	P	D	A
Emerging Techniques for Structure Determination of Noncrystalline Proteins	D	D			
Frontiers in Reaction Dynamics	D	A	P	D	A

Division of Physical Chemistry (continued)

PHYS

J. Bowman, Program Chair

Astor Crowne Plaza—New Orleans	S	M	Tu	W	Th
Liposomes, Lipid Bilayers & Model Membranes	D	D			
Confinement Effects in Biology & Biomimetic Systems		A			
New Advances in Understanding Protein Folding		D		D	
Confinement & Protein Interactions		P			
Sci-Mix		E			
PHYS Awards Symposium			A		
Ahmed Zewail Prize in Molecular Sciences			P		
Confinement, Folding & Self-Organization				A	
Kinetics of Combustion				D	
PHYS Poster Session				E	
Frontiers in Chemical Reaction Dynamics					A
Chairs' Prime Choices* (COMP)	A	A			
Computational Study of Water* (COMP)	D	A			
Quantum Chemistry* (COMP)	D	D	D	D	A
Molecular Mechanics* (COMP)	D	P	P		
Material Science* (COMP)	P	P			
Potential Function Uncertainty & Validation* (COMP)		A	A	A	A
WCC Rising Stars Symposium* (WCC)		D			
Undergraduate Research Posters* (CHED)		P			
ACS Award for Computers in Chemical & Pharmaceutical Research: Symposium in Honor of H. Bernhard Schlegel* (COMP)		P	D		
Protein-Ligand Interactions: Insights, New Tools & Applications in Drug Design* (COMP)		P	D	D	A
Membranes* (COMP)			P	P	
Poster Session* (COMP)			E		

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CHEF: Chemistry of Energy & Food.

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PROGRAM SUMMARY

Division of Physical Chemistry (continued)

PHYS

J. Bowman, Program Chair

Astor Crowne Plaza—New Orleans	S	M	Tu	W	Th
ACS Award for Encouraging Women into Careers in the Chemical Sciences: Symposium in Honor of Heather C. Allen* (WCC)				D	
Theory & Computational Modeling of Coupled Transport Processes* (COMP)				D	A
Collaborative Drug Discovery for Neglected Diseases* (COMP)				P	

Division of Polymer Chemistry

POLY

S. Iacono, S. Lin-Gibson, J. Youngblood, Program Chairs

Hilton Riverside	S	M	Tu	W	Th
General Topics: New Synthesis & Characterization of Polymers	A		P	D	D
Liquid Crystals & Polymers	D	D	D		
Bottom-Up Design of the Next Generation of Biomaterials	D	D	D		
Excellence in Graduate Polymer Research	D	D	P		
Undergraduate Research in Polymer Science	D		P		
ACS Award in Polymer Chemistry: Symposium in Honor of Craig J. Hawker	P				
Understanding Complex Macromolecular & Supramolecular Systems using Innovative Magnetic Resonance Strategies	P	D	D	D	A
AkzoNobel North America Science Award**		A			
ACS Award for Creative Invention: Symposium in Honor of Timothy M. Swager		D	D		
Hybrid Materials**		P	D	D	D
Sci-Mix		E			
Carl S. Marvel Creative Polymer Chemistry Award			D		
Polymer Precursor-Derived Carbon			DE	D	D
Natural & Renewable Polymers			P	D	D

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Division of Polymer Chemistry (continued)

POLY

S. Iacono, S. Lin-Gibson, J. Youngblood, Program Chairs

Hilton Riverside	S	M	Tu	W	Th
Polymer Composites for Energy Harvesting, Conversion & Storage CHEF			P	D	D
POLY/PMSE Plenary Lecture & Awards Reception** CHEF				E	
Material Science* (COMP)	P	P			
Undergraduate Research Posters* (CHED)		P			
Ronald Breslow Award for Achievement in Biomimetic Chemistry: Symposium in Honor of Samuel I. Stupp* (ORGN)		P			
Joint PMSE/POLY Poster Session* (PMSE)			E		
Poster Session* (COMP)			E		

Division of Polymeric Materials Science & Engineering

PMSE

J. Baghdachi, Program Chair

Hilton Riverside	S	M	Tu	W	Th
Carbon Nanotube & Graphene Functionalization & Placement**	D	D			
Celebrating 50 Years of Polymers at Case Western	D	D	A		
Clay/Polymer Composites: Palette of Nanoclays & Other Natural Nanoparticles**	D	D			
Providing Opportunities for Underrepresented Students in Polymer Science: Symposium in Honor of Peggy Cebe**	D				
Porous Polymers	P	D	D	D	
Cyclic & Multicyclic Polymers**		D	D	D	A
ACS Award in Applied Polymer Science: Symposium in Honor of Mitchell A. Winnik		D			
Sci-Mix		E			
Biomaterials & Biomedical Engineering			D	D	
Stimuli-Responsive Polymers: Synthesis, Mechanisms & Applications			D	D	D
General Papers/New Concepts in Polymeric Materials			D		D
Cooperative Research Award: Symposium in Honor of Timothy Bunning, Timothy White & Nelson V. Tabiryan**			P		
Joint PMSE/POLY Poster Session**			E		

Division of Polymeric Materials Science & Engineering (continued)

PMSE

J. Baghdachi, Program Chair

Hilton Riverside	S	M	Tu	W	Th
Advanced Materials for Clean Energy				D	
Material Science* (COMP)	P	P			
Undergraduate Research Posters* (CHED)		P			
Ronald Breslow Award for Achievement in Biomimetic Chemistry: Symposium in Honor of Samuel I. Stupp* (ORGN)		P			
Hybrid Materials* (POLY)		P	D	D	D
Poster Session* (COMP)			E		
POLY/PMSE Plenary Lecture & Awards Reception* (POLY)				E	

Division of Professional Relations

PROF

R. Libby, Program Chair

Morial Convention Center	S	M	Tu	W	Th
Empowering Equal Access for Persons with Disabilities in the Chemical Profession**		A			
Proposing & Administering a Successful REU Program**		P			
Sci-Mix		E			
Ethics Programs in Corporations & Institutions**			A		
Women Chemists of Color in Industry**			P		
Chairs' Prime Choices* (COMP)	A	A			
The Hydrogen Economy Is Fueled by Small Businesses* (SCHB)	A				
Water, Energy, Health & Education: Working Together for Global Solutions* (CMA)		D			
Food for Thought: Alternative Careers in Chemistry* (GINF)		P			
True Stories of Success from Chemical Entrepreneurs* (SCHB)			A		
Best Practices from Chemical Entrepreneurs* (SCHB)			P		
Collaborative Drug Discovery for Neglected Diseases* (COMP)				P	

Division of Small Chemical Businesses

SCHB

J. Sabol, Program Chair

DoubleTree by Hilton New Orleans	S	M	Tu	W	Th
Poster Session	A				
The Hydrogen Economy is Fueled by Small Businesses** <i>CHEF</i>	A				
Chemical Angel Network: Chemists Investing in Chemical Deals**	P				
Alternative Fuels: Intellectual Property, Regulatory & Capital Formation Issues** <i>CHEF</i>		A			
Algae, Biofuels & CO ₂ ** <i>CHEF</i>		P			
Sci-Mix		E			
True Stories of Success from Chemical Entrepreneurs**			A		
Best Practices from Chemical Entrepreneurs**			P		
Something's Brewing in the Bayou <i>CHEF</i>			P		
The Interconnected World of Energy, Food & Water* (CHEF)		D			
Sustainability in the Chemical Sciences: Models & Case Studies for Education* (CEI)		P			
Health, Safety, Security & Environment: A Global Prospective* (CHAS)		P			
Ethics Programs in Corporations & Institutions* (PROF)			A		
Complying with the New OSHA Hazard Communication Standard* (CHAS)			A		
Women Chemists of Color in Industry* (PROF)			P		
Arsenic Contamination of Food & Water* (AGFD)				D	D
Terahertz Spectroscopy: Problem Solving for the 21st Century* (ANYL)				P	P

Committee on Chemical Safety

CCS

R. H. Hill, Program Chair

Located with primary sponsor	S	M	Tu	W	Th
Chemical Safety Aspects of Animal Use Protocol Risk Assessments* (CHAS)	P				
Ask Dr. Safety About Dealing with Especially Hazardous Materials* (CHAS)	P				
Health, Safety, Security & Environment: A Global Prospective* (CHAS)		P			

PROGRAM SUMMARY

Committee on Chemical Safety (continued)

C C S

R. H. Hill, Program Chair

Located with primary sponsor	S	M	Tu	W	Th
Academia & Industrial Pilot Plant Operations & Safety* (I&EC)			A		
Complying with the New OSHA Hazard Communication Standard* (CHAS)			A		

Committee on Economic & Professional Affairs

C E P A

D. Kneeland, Program Chair

Located with primary sponsor	S	M	Tu	W	Th
Chemistry Plus Food: Ingredients for Success in Business* (BMGT)		A			
Vision 2025: How To Succeed in the Global Chemistry Enterprise* (PRES)		D	A		
Ethics Programs in Corporations & Institutions* (PROF)			A		

Committee on Environmental Improvement (continued)

C E I

R. Lomneth, Program Chair

New Orleans Downtown Marriott at the Convention Center	S	M	Tu	W	Th
Sustainable Energy, Food Risk & Emerging Pollutants: Expect the Unexpected* (ENVR)		A			
Occurrence, Detection, Fate & Removal of Pharmaceutical & Personal Care Products in Potable Water Sources* (ENVR)		D		E	
Algae, Biofuels & CO ₂ * (SCHB)		P			
Bioenergy & Biofuels* (ENFL)			A		
Green Chemistry Fostered Advances for Chemicals & Fuel Production* (ENVR)			D	DE	
Biofuels & Sustainable Energy* (BIOT)			P	D	A
Advanced Nanoscale & Membrane Technologies in Energy & Food Production* (ENVR)				A	
Biofuels: Current Issues & Environmental Implications* (ENVR)				PE	A

Committee on Environmental Improvement

C E I

R. Lomneth, Program Chair

New Orleans Downtown Marriott at the Convention Center	S	M	Tu	W	Th
Sustainability in the Chemical Sciences: Models & Case Studies for Education**		P			
Nexus of Food, Energy & Water* (ENVR)	A				
ACS-CEI Award for Incorporating Sustainability into Chemistry Education* (CHED)	A				
CO ₂ Capture, Sequestration, Conversion & Utilization* (ENFL)	A				
Food & Its Environment: What Is In What We Eat?* (ENVR)	A			E	
The Hydrogen Economy is Fueled by Small Businesses* (SCHB)	A				
Energy Recovery from Waste: Technological & Environmental Issues* (ENVR)	P			E	

Committee on Minority Affairs

C M A

J. Sarquis, Program Chair

Hilton Riverside	S	M	Tu	W	Th
Water, Energy, Health & Education: Working Together for Global Solutions** <i>CHEF</i>		D			
Proposing & Administering a Successful REU Program* (PROF)		P			
ACS Award for Encouraging Disadvantaged Students into Careers in the Chemical Sciences: Symposium in Honor of George H. Fisher* (CHED)			A		

Committee on Project SEED

C P S

S. Bonetti, Program Chair

Located with primary sponsor	S	M	Tu	W	Th
ACS Award for Encouraging Disadvantaged Students into Careers in the Chemical Sciences: Symposium in Honor of George H. Fisher* (CHED)			A		

Committee on Science

COMSCI

M. Chorghade, Program Chair

Morial Convention Center	S	M	Tu	W	Th
Chemical Angel Network: Chemists Investing in Chemical Deals* (SCHB)	P				
The Interconnected World of Energy, Food & Water* (CHEF)		D			
Algae, Biofuels & CO ₂ * (SCHB)		P			
Best Practices from Chemical Entrepreneurs* (SCHB)			P		

International Activities Committee

I A C

H. N. Cheng, Program Chair

New Orleans Downtown Marriott at the Convention Center	S	M	Tu	W	Th
ACS GREET Award: Outcomes of the 2012 Global Research Experiences, Exchanges & Training Program Laureate Teams**		A			
Vision 2025: How To Succeed in the Global Chemistry Enterprise* (PRES)		D	A		

Society Committee on Education

SOCED

A. Jorgensen, Program Chair

Morial Convention Center	S	M	Tu	W	Th
Computational Neuroscience Advances in Drug Abuse & Addiction**	P				
Teaching Is Fun: How To Become an Exemplary Teaching Assistant	P				
Eminent Scientist Lecture: Computation & Collaboration for Chemical Discovery		P			
High School Program* (CHED)	D				
Understanding Climate Science: A Scientist's Responsibility* (PRES)		A			
Undergraduate Research Posters* (CHED)		DE			
Successful Student Chapters* (CHED)		E			
Water: A Grand Challenge for Science & Society* (PRES)			A		

Women Chemists Committee

WCC

A. Charlebois, A. Debaille, Program Chairs

Hilton Garden Inn New Orleans Convention Center	S	M	Tu	W	Th
WCC Rising Stars Symposium**		D			
ACS Award for Encouraging Women into Careers in the Chemical Sciences: Symposium in Honor of Heather C. Allen**				D	
Women Chemists of Color in Industry* (PROF)			P		

Younger Chemists Committee

YCC

T. Matos, Program Chair

Hilton Garden Inn New Orleans Convention Center	S	M	Tu	W	Th
Starting a Successful Research Program at a Predominately Undergraduate Institution**	P				
Hot Research Topics & Career Paths for Younger Chemists: 2013		A			
What Is Chemistry Education Research?*		P			
Chairs' Prime Choices* (COMP)	A	A			
Finding & Thriving in an Academic Career in Chemistry* (CHED)		A			
Scholarly Communication: New Models, New Media, New Metrics* (CINF)		P			
Food for Thought: Alternative Careers in Chemistry* (CINF)		P			
Collaborative Drug Discovery for Neglected Diseases* (COMP)				P	

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

**Primary organizer of a cosponsored symposium.

CHEF: Chemistry of Energy & Food.

A = AM AE = AM/EVE P = PM D = AM/PM
E = EVE DE = AM/PM/EVE PE = PM/EVE

GENERAL MEETING INFORMATION

YOUR MEETING REGISTRATION entitles you to a wide range of programming, including 1,086 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. 18

STANDARD REGISTRATION:
FEB. 19–APRIL 5

ON-SITE ATTENDEE REGISTRATION:
Ernest N. Morial Convention Center
Great Hall

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. 18 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. 18 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 April 6 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/neworleans2013 until April 5. 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 April 5 at (800) 251-8629 (U.S./Canada only) or (508) 743-9605 (international), Monday to Friday, 9 AM to 5 PM EST.

Fax/Mail. Submit the registration form (page 70) by fax: (508) 743-9605 or mail: ACS Registration, c/o CDS, 107 Waterhouse Rd., Bourne, MA 02532. Mailed registrations will be accepted until April 5.

On-site. Register during the meeting at ACS Attendee Registration at standard registration rates. ACS Attendee Registration will be open at the New Orleans Ernest N. 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.

REGISTRATION PAYMENTS. Registration fees can be paid by check, money order, credit card (American Express, Discover, 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) or (508) 743-0192 (international); fax: (508) 743-9605; e-mail: acs@xpressreg.net; or mail: 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 11 to guarantee the registrant a full refund less a \$50 administrative fee. Refund requests made after March 11 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) 743-9605 (save your fax confirmation sheet).

Social Event Ticket Cancellations/Refunds. Social event cancellations received by March 22 entitle the registrant to a full refund. Refund requests made after March 22 will not be honored. Event tickets and a copy of your registration confirmation must be attached to your request.

Abstract Cancellations/Refunds. Abstract USB flash drives (thumb drives) and their shipping costs are nonrefundable.

REGISTRATION CATEGORY	FEE	
	EARLY BY FEB. 18	STANDARD AFTER FEB. 18
MEMBERS		
ACS member or society affiliate	\$370	\$445
Postdoctoral member	370	445
Emeritus or retired member	185	225
50-year member	No fee	No fee
Unemployed member (Dues waiver required)	No fee	No fee
Precollege teacher	95	95
Graduate student	185	185
Undergraduate	95	95
One-day registrant	185	225
NONMEMBERS		
Chemical scientist	\$650	\$780
Postdoctoral scientist	650	780
Visitor: Nonchemical scientist or chemical technician	370	445
Precollege teacher	95	95
Graduate student	370	370
Undergraduate	185	185
One-day registrant	370	445
Guest of registrant ^a	40	40
EXPOSITION-ONLY VISITORS		
Adult, exposition only	\$50	\$50
Student, exposition only	25	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.



Book your hotel
for the

American Chemical Society

245th National Meeting & Exposition

APRIL 7-11, 2013 IN
NEW ORLEANS

Housing is Now Open

www.acs.org/meetings
or by calling (866) 847-8570
Monday–Friday, 7 AM–6 PM MST.
Housing will close on March 12.
Rooms are limited, so make your
reservation today.

Enter the ACS New Orleans Housing Drawing
by staying at a hotel booked through
Orchid Event Solutions

1st Prize

A New
iPad*

2nd Prize

Free Hotel
Accommodations*

3rd Prize

A New
iPod*

Top Reasons

To Book Your Reservation Through Orchid Event Solutions:

1. **All sleeping rooms booked through Orchid Event Solutions include COMPLIMENTARY INTERNET ACCESS.**
2. **YOU WILL BE AUTOMATICALLY ENTERED INTO THE DRAWING** when you stay at a hotel booked through Orchid Event Solutions.
3. **DISCOUNTED RATES** at the official hotels.
4. **COMPLIMENTARY SHUTTLE SERVICE** between Ernest N. Morial Convention Center and the hotels on the ACS housing list.
5. **MAKE YOUR RESERVATION ONLINE OR BY PHONE** and receive instant acknowledgment of your reservation.
6. **KEEP REGISTRATION FEES LOW** by booking rooms through Orchid Event Solutions ultimately helping ACS meet its contractual obligations for the meeting.

DON'T DELAY, RESERVE YOUR ROOM TODAY!

The official ACS housing bureau is Orchid Event Solutions (formerly The Housing Connection). ACS does not endorse any other housing company.

**Prize Drawing Rules:* The 2nd prize winner will be reimbursed for their actual hotel room and tax expenses at the standard single or double room rate up to 5 nights. All winners will be determined on the basis of a random drawing conducted on or about April 19th. Complete details at www.acs.org/neworleans2013

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./Canada only); (614) 447-3776 (international); 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./Canada only); (614) 447-3776 (international); 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 at the New Orleans Ernest N. Morial Convention Center. 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 want to visit the exposition without registering for the meeting's technical sessions can register for an expo-only adult badge for \$50 or \$25 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 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, including event locations, at www.acs.org/neworleans2013.

The following social events require purchase of a ticket (event number in red), which can be purchased through Attendee Registration. 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 March 22. No tickets will be refunded after that date.

SUNDAY, APRIL 7

CHED High School-College Interface Luncheon/**SE-01**/\$40

(Included at no charge with high school teacher registration.)

Noon to 1 PM, New Orleans Ernest N. Morial Convention Center

National Chemical Technician Award Banquet/**SE-02**/\$60

6 to 9 PM, Hilton Riverside

MONDAY, APRIL 8

Women in the Chemical Enterprises Breakfast/**SE-03**/\$37 (regular)/**SE-04**/\$20 (student)

7:30 to 9 AM, Hilton Riverside

(A limited number of student tickets are available. Students may purchase regular tickets if student tickets are sold out.)

CMA Reception & Luncheon/**SE-05**/\$50

11:30 AM to 2 PM, Hilton Riverside

CHAL Networking Luncheon/**SE-06**/\$40

Noon to 1:30 PM, New Orleans Ernest N. Morial Convention Center

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

Noon to 1:30 PM, New Orleans Downtown Marriott at the Convention Center

Risk Management & Insurance—What Current & Future Entrepreneurs Should Consider/**SE-08**/no charge

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

See description in "Workshops" (page 81)

CARB Award Banquet/**SE-09**/\$50

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

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

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

TUESDAY, APRIL 9

Senior Chemists Breakfast/**SE-11**/\$15

7:30 to 9:30 AM, Hilton Riverside

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

7:30 to 9:30 AM, New Orleans Ernest N. Morial Convention Center

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

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

CINF Luncheon/**SE-14**/\$15

Noon to 1:30 PM, New Orleans Ernest N. Morial Convention Center

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

Noon to 1:30 PM, Hilton Riverside

(A limited number of student tickets are available. Students may purchase regular tickets if student tickets are sold out.)

COLL Luncheon/**SE-17**/\$40

Noon to 1:45 PM, New Orleans Marriott

MEDI Lunch-n-Learn Case Study: "Life After Big Pharma—Tales From The Other Side"/**SE-18**/\$15

Noon to 2 PM, New Orleans Ernest N. Morial Convention Center

MEETING INFO ON THE WEB

Registration, housing, technical programming, special events, participating exhibitors, and other meeting details are available at www.acs.org/neworleans2013.



ACS
Chemistry for Life®

ADVANCE REGISTRATION FORM
AMERICAN CHEMICAL SOCIETY • 245th NATIONAL MEETING & EXPOSITION
APRIL 7 – 11, 2013 • NEW ORLEANS, LA

4 ways to register: (see Registration Procedures)

Online: <http://www.acs.org/meetings> (credit cards only).

Phone: 508-743-0192 or 800-251-8629, Monday - Friday, 9 AM to 5 PM EST (credit cards only) by April 11, 2013.

Mail: completed form with payment to: ACS Registration c/o CDS, 107 Waterhouse Road, Bourne, MA 02532 by February 18, 2013.

Fax: completed form with payment to: 508-743-9605 (credit cards only) by April 11, 2013.

– 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 _____

Cell Number _____

With your approval, ACS show management will be sending meeting alerts & special offers by text messaging. Regular text messaging rates may apply. ☐ Yes I accept or ☐ No I do not accept

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

1. Professional Discipline (check one)

- ☐ (a) Academia ☐ (b) Government ☐ (c) Industry ☐ (d) Student
☐ (e) Other _____

2. 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 _____

3. 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 _____ | |

4. Is this your first ACS National Meeting? ☐ Yes ☐ No

5. What's your primary reason for attending this meeting?

- ☐ Present a paper or poster
☐ Network with other scientists
☐ Investigate research or technical topics
☐ Research or buy products inside Exposition
☐ Search for a job in Career Services
☐ Obtain new skills and hand-on experience
☐ Participate in ACS governance activities
☐ Work during the meeting (staff/exhibitors)
☐ Other _____

6. Where are you staying (or planning to stay) during the meeting?

Hotel _____ Other _____

7. What mode of transportation will you take to attend the meeting?

☐ Plane ☐ Train ☐ Car ☐ Other _____

REGISTRATION CATEGORIES & FEES

ACS Members

	EARLY <small>from Dec 20</small>	STANDARD <small>after Feb 18</small>
<input type="checkbox"/> ACS member or Society affiliate	\$370	\$445
<input type="checkbox"/> Postdoctoral	\$370	\$445
<input type="checkbox"/> Emeritus or retired	\$185	\$225
<input type="checkbox"/> 50-year	No Fee	No Fee
<input type="checkbox"/> Unemployed	No Fee	No Fee

(dues waiver required)		
<input type="checkbox"/> Graduate student	\$185	\$185
<input type="checkbox"/> Undergraduate Student	\$95	\$95
<input type="checkbox"/> Precollege teacher	\$95	\$95
<input type="checkbox"/> One day member registrant	\$185	\$225
<input type="checkbox"/> Su <input type="checkbox"/> M <input type="checkbox"/> Tu <input type="checkbox"/> W <input type="checkbox"/> Th		

Non-Members

<input type="checkbox"/> Chemical scientist	\$650	\$780
<input type="checkbox"/> Postdoctoral scientist	\$650	\$780
<input type="checkbox"/> Visitor: Non-chemical scientist	\$370	\$445
<input type="checkbox"/> Visitor: Chemical technician	\$370	\$445
<input type="checkbox"/> Graduate Student	\$370	\$370
<input type="checkbox"/> Undergraduate Student	\$185	\$185
<input type="checkbox"/> Pre-College Teacher	\$95	\$95
<input type="checkbox"/> One-day registrant	\$370	\$445
<input type="checkbox"/> Su <input type="checkbox"/> M <input type="checkbox"/> Tu <input type="checkbox"/> W <input type="checkbox"/> Th		

☐ Guest of Registrant (1) \$40 \$40

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

Guest Name _____

Exposition Visitors

<input type="checkbox"/> Adult	\$50	\$50
<input type="checkbox"/> Student	\$25	\$25

8. 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 245th ACS National Meeting in New Orleans, LA.

Credit Card Number _____ Exp Date _____

Credit Card Billing Address & Zip _____

Card Holder Name _____

Card Holder Signature _____

SOCIAL EVENT FEES

Event No.	Qty	\$/Ticket	\$ TOTAL
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

9. Social Event Subtotal \$ _____

If you register before the social event tickets are available, you can later purchase your tickets by contacting the Customer Service office, at 508-743-0192 or 1-800-251-8629, if you are paying by check or money. If you are paying by credit card, you can update your registration online by using your confirmation number.

ABSTRACT FEES

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

10. Abstract Subtotal \$ _____

Abstracts ordered by February 18, 2013, 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

11. Grand Total of 8-10 \$ _____

Registrant Procedures: US and Canadian attendees who register by February 18, 2013, 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 18, 2013, registrations will continue to be accepted at the Standard rate on-line and by phone or fax (credit card payment only) until April 11, 2013.

Registration Cancellation/Refund Policy: By adhering to the following cancellation procedure, cancellations received by March 11, 2013, 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.

1. Submit your written cancellation to the ACS Registration Customer Service Center by mail, fax or e-mail by March 11, 2013.
2. Return your unused registration credentials to ACS by March 11, 2013. If you cancel before receiving your registration credentials, contact the ACS Registration Customer Service Center for further instructions.
3. Refund requests made after March 11, 2013, will not be honored.
4. 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.

ENVR Social & Reception/SE-19/\$10

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

2013 ACS Award Banquet Ceremony & General Meeting of the Society/SE-20/\$130

6 to 10 PM, New Orleans Marriott

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

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

ENFL Dinner/SE-22/\$65

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

ACCOMMODATIONS

TAKE ADVANTAGE of special ACS room rates for the national meeting in New Orleans by reserving hotel rooms directly through Orchid Event Solutions (formerly the Housing Connection) by March 12. Orchid Event Solutions, a subsidiary of the Salt Lake Convention & Visitors Bureau, is the official housing bureau endorsed by ACS for the national meeting in New Orleans. ACS does not endorse booking hotel reservations through any other sources. A listing of official hotel rates with their guaranteed ACS rates and amenities is on page 72. All attendees who make reservations through Orchid Event Solutions will receive complimentary Internet access in their sleeping rooms and are automatically entered in the ACS Housing Drawing (see ad on page 68 for details).

Late Housing. Some hotels may have rooms available after March 13. A listing of these hotels will be posted on the ACS meeting website at www.acs.org/neworleans2013. ACS rates and/or availability cannot be guaranteed during late housing.

On-Site Housing. During the meeting, an on-site housing desk will be available at the New Orleans Ernest M. Morial Convention Center, Great Hall, to assist with last-minute housing changes or needs.

RESERVATION METHODS. All registrants will receive confirmation for reservations made directly through Orchid Event Solutions. Review this document carefully for accuracy. Each confirmation contains a unique number that is proof of your reservation through Orchid Event Solutions. We strongly recommend that you bring your

confirmation to the meeting. If you lose or do not receive your confirmation, you can obtain another copy online or by contacting Orchid Event Solutions. You will not receive a separate confirmation from the hotel.

Published ACS rates apply to hotel stays between April 2 and 13. To extend your stay beyond these dates, you must reserve additional nights directly through the hotel.

Internet. Reserve online at www.acs.org/neworleans2013. Online reservations require a valid credit card (American Express, Discover, MasterCard, or VISA), and you will receive a confirmation to your e-mail address within 24 hours.

Telephone. Call Orchid Event Solutions at (866) 847-8570 (U.S./Canada only) or (801) 505-4140 (international), Monday through Friday, 7 AM to 6 PM MST. Telephone reservations require a valid credit card (American Express, Discover, MasterCard, or VISA), 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 information to (801) 355-0250 or mail the form with your valid credit card information or a check for the amount of one night's room and tax made payable to Orchid Event Solutions and mail to ACS Housing, c/o Orchid Event Solutions, 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 according to cost and location.

RESERVATIONS, CHANGES & CANCELLATION POLICY. Hotel reservations can be guaranteed by credit card (American Express, Discover, MasterCard, or VISA), check, or money order. Make checks payable in U.S. dollars to Orchid Event Solutions and include a completed ACS Housing Form with each mailed payment. Housing fees should not be combined with any other payment (such as registration or membership dues). **Reservations received without payment will not be processed.**

Although a valid credit card or check deposit for one night's room and tax is required to confirm a reservation, a payment will not be charged by Orchid Event Solutions. The credit card information or check deposit will be forwarded with your reservation to your hotel on March 12 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 13% room and plus a \$3.00 city occupancy tax (subject to change).

Reservation changes and cancellations can be made without penalty until March 12. Hotels do not have individual reservations or credit card guarantees yet. After March 12, you may continue to make changes and cancellations through Orchid Event Solutions until March 27; however, canceled reservations may incur a \$25 fee that will be charged by Orchid Event Solutions. A one night's 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 you make your reservation. Be sure to reconfirm any special room arrangements directly with your hotel.

SUITES. Send your suite requests by e-mail to help@orchideventsolutions.com (Attn.: Katie McLaughlin). They will attempt to find you a suite at an official ACS property that fits your needs.

ECONOMICAL ALTERNATIVE. 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. Properties are not included on the ACS shuttle route; therefore, daily transportation costs are the responsibility of the attendee.

Ambassador Hotel New Orleans, 535 Tchoupitoulas St.; (504) 527-5271; ACS rate \$139 single/\$149 double occupancy.

Queen & Crescent Hotel, 344 Camp St.; (504) 587-9700; 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 hotel room

American Chemical Society

245th National Meeting and Exposition Participating Hotel List

Hotels in New Orleans, La.

FOR BEST AVAILABILITY, MAKE YOUR RESERVATION ONLINE

www.acs.org/neworleans2013

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

ALL RATES INCLUDE COMPLIMENTARY INTERNET

Hotels*	Single (1 person)	Double (2 persons)	Triple (3 persons)	Quad (4 persons)	Maximum Occupants Per Room*	No Charge for Children Under This Age	Childcare Information Available	On ACS Shuttle Route	Per Day Hotel Parking Rates	Room- Service Available	Complimen- tary Internet	Pets Allowed*	Fitness Center	Swimming Pool	Accessible Rooms	Smoking Rooms* Available	Environ- mentally Friendly
1a - Hilton Riverside	\$239	\$259	\$289	\$319	4	17	Yes	No	\$34/ \$40	Yes	Yes	No	Yes	Yes	Yes	No	Yes
1b - Hilton Riverside Executive Room	\$279	\$299	\$329	\$359	4	17	Yes	No	\$34/ \$40	Yes	Yes	No	Yes	Yes	Yes	No	Yes
2 - Astor Crowne Plaza – New Orleans	\$206	\$206	\$226	\$246	4	18	Yes	Yes	\$29	Yes	Yes	Service	Yes	Yes	Yes	No	Yes
3 - Courtyard by Marriott Convention Center	\$223	\$223	\$243	\$263	4	16	No	No	\$28	No	Yes	Service	Yes	Yes	Yes	No	Yes
4 - Doubletree by Hilton New Orleans	\$207	\$227	\$247	\$267	4	17	No	Yes	\$32	Yes	Yes	Service	Yes	Yes	Yes	No	Yes
5 - Embassy Suites	\$223	\$243	\$263	\$283	4	17	No	No	\$30	Yes	Yes	Service	Yes	Yes	Yes	Yes	Yes
6a - Hampton Inn & Suites Convention Center Standard Room	\$205	\$210	\$210	\$210	4	18	No	No	\$30	No	Yes	Service	Yes	Yes	Yes	No	Yes
6b - Hampton Inn & Suites Convention Center Studio Suite	\$260	\$270	\$270	\$270	4	18	No	No	\$30	No	Yes	Service	Yes	Yes	Yes	No	Yes
7 - Hilton Garden Inn New Orleans Convention Center	\$180	\$180	\$200	\$220	4	18	No	No	\$30	Yes	Yes	Service	Yes	Yes	Yes	No	Yes
8 - Hotel Monteleone	\$225	\$225	\$250	\$275	4	18	Yes	Yes	\$30/ \$32	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
9 - Hyatt Place New Orleans Convention Center	\$229	\$229	\$249	\$269	4	17	Yes	No	\$29	No	Yes	Yes	Yes	No	Yes	No	Yes
10 - InterContinental New Orleans	\$199	\$199	\$229	\$259	4	18	Yes	Yes	\$29/ \$32	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
11a - Loews New Orleans Hotel Luxury Rooms	\$215	\$215	\$235	\$265	4	18	Yes	Yes	\$35	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
11b - Loews New Orleans Hotel Grand Luxury Rooms	\$236	\$236	\$265	\$295	4	18	Yes	Yes	\$36	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
12 - New Orleans Marriott	\$239	\$259	\$279	\$299	4	NA	No	Yes	\$35	Yes	Yes	No	Yes	Yes	Yes	No	Yes
13 - New Orleans Downtown Marriott at the Convention Center	\$249	\$269	\$289	\$309	4	17	No	No	\$31	Yes	Yes	Service	Yes	Yes	Yes	No	Yes
14 - Renaissance New Orleans Arts Hotel	\$239	\$259	\$279	\$299	4	18	Yes	Yes	\$31	Yes	Yes	Service	Yes	Yes	Yes	No	Yes
15 - Residence Inn New Orleans Downtown Hotel	\$229	\$229	\$249	\$269	4	16	No	No	\$20	No	Yes	Yes	Yes	Yes	Yes	No	Yes
16 - Royal Sonesta	\$239	\$239	\$269	\$299	4	18	No	Yes	\$38	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
17a - Sheraton New Orleans Hotel Club Room	\$239	\$259	\$287	\$309	4	18	No	Yes	\$33	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
17b - Sheraton New Orleans Hotel Club Room	\$269	\$289	\$314	\$339	4	18	No	Yes	\$33	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
18 - Springhill Suites New Orleans Downtown	\$223	\$223	\$243	\$263	4	16	No	No	\$22/ \$30	No	Yes	Service	Yes	Yes	Yes	No	Yes
19 - Staybridge Suites Hotel	\$179	\$179	NA	NA	2	18	Yes	Yes	\$34	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
20 - W Hotel French Quarter	\$259	\$259	\$279	\$299	4	18	No	Yes	\$38	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
21 - W New Orleans	\$249	\$249	\$269	\$289	4	18	No	Yes	\$38	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
22 - Westin New Orleans Canal Place	\$219	\$219	\$244	\$269	4	9	No	Yes	\$18/ \$36	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
23 - Wyndham Riverfront Hotel	\$229	\$229	\$249	\$269	4	18	Yes	No	\$32/ \$36	Yes	Yes	No	Yes	Yes	Yes	No	Yes

The rates listed above do not include the current 13% room tax and \$3.00 occupancy tax per room per night, which is subject to change.

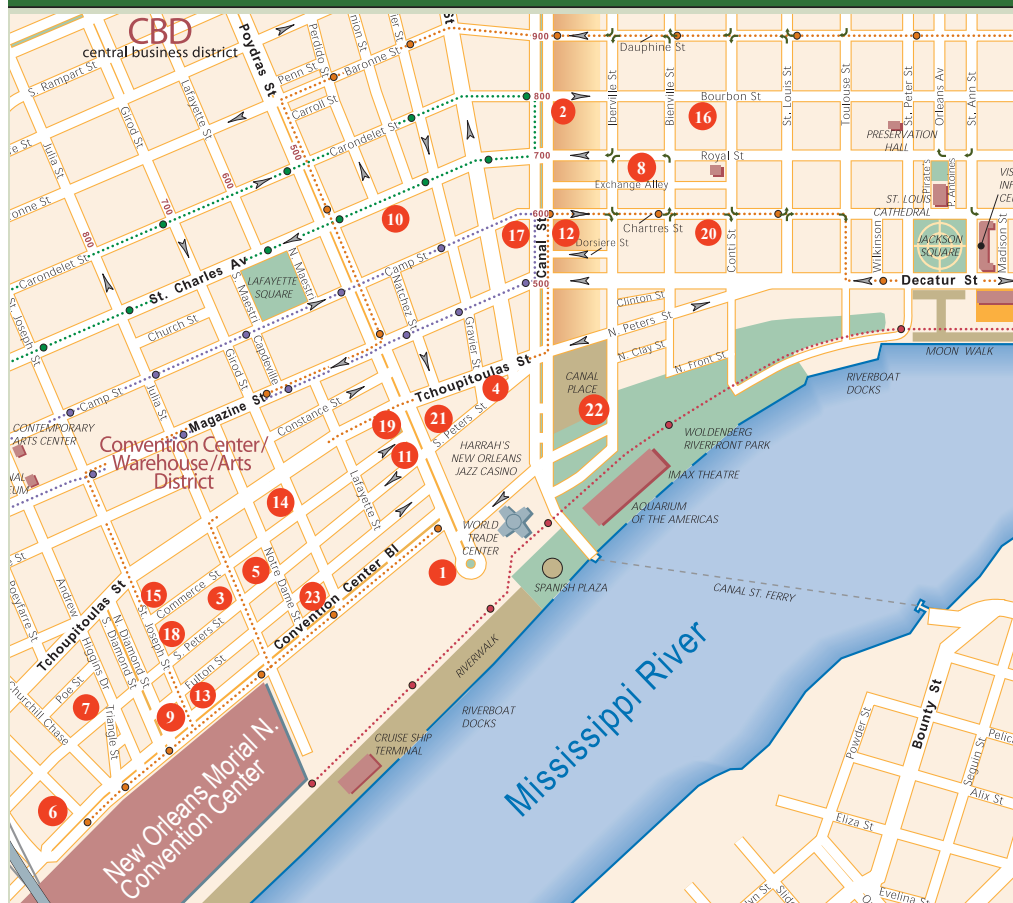
***Additional fees may apply if:**

If a rollaway bed is required.

If there are pets in guestrooms

If smoking occurs in guestrooms

American Chemical Society 245th ACS National Meeting & Exposition New Orleans, April 7–11, 2013



Hotel Legend

1. Hilton Riverside (Headquarter Hotel)- 0.6 mi
2. Astor Crowne Plaza – New Orleans- 1.4 mi
3. Courtyard by Marriott Convention Center- 0.5 mi
4. DoubleTree by Hilton New Orleans- 0.7 mi
5. Embassy Suites- 0.5 mi
6. Hampton Inn & Suites Convention Center- 0.6 mi
7. Hilton Garden Inn New Orleans Convention Center- 0.3 mi
8. Hotel Monteleone- 1.1 mi
9. Hyatt Place New Orleans Convention Center- 0.2 mi
10. InterContinental New Orleans- 0.9 mi
11. Loews New Orleans Hotel- 0.6 mi
12. New Orleans Marriott- 1.2 mi
13. New Orleans Downtown Marriott at the Convention Center- 0.2 mi
14. Renaissance New Orleans Arts Hotel- 0.5 mi
15. Residence Inn New Orleans Downtown Hotel- 0.3 mi
16. Royal Sonesta- 1.3 mi
17. Sheraton New Orleans Hotel- 0.9 mi
18. Springhill Suites New Orleans Downtown- 0.2 mi
19. Staybridge Suites Hotel- 0.7 mi
20. W Hotel French Quarter- 1.2 mi
21. W New Orleans- 0.7 mi
22. Westin New Orleans Canal Place- 0.8 mi
23. Wyndham Riverfront Hotel- 0.4

* Distances listed are between hotel and convention center

through Orchid Event Solutions at www.acs.org/neworleans2013.

GREEN MEETING INITIATIVES

THE AMERICAN CHEMICAL SOCIETY

Department of Meetings & Expositions Services and the Committee on Meetings & Expositions are committed to continually improving our sustainability performance. We strive to provide leadership within the meetings and events industry through transparent tracking and reporting and collaborating with venues, vendors, and hotels to raise the bar for industry practice.

To identify, understand, and reduce our impact, we look to internationally recognized standards and frameworks such as the ISO 20121 Sustainable Event Management System Standard, APEX/ASTM Green Meeting Standards, and Global Reporting Initiative (GRI) event organizer sustainability reporting guidelines.

In 2011, ACS became the first organization to publish a GRI Report adhering to the Event Organizers Sector Supplement, and in 2011 and 2012 ACS was awarded the Green Leader Award from the Capital Chapter of the Professional Convention Management Association.

For each meeting, ACS works closely with our host communities, venues, and vendors. A sampling of our accomplishments in 2012 includes the following:

- Held both national meetings in LEED-certified convention centers
- Shuttle transport emissions offset 142 tons of carbon dioxide
- Audited over 80% of hotel room block,

ACS has partnered with Clean the World to collect and donate gently used soaps to help eliminate diseases in developing countries. Visit the meeting website for details and a list of participating hotels.

surveying hotels on more than 40 sustainability practices; 92% of hotels recycled ■ Designated Sci-Mix as “zero waste,” achieving diversion rates of 65% and 86%, in San Diego and Philadelphia, respectively ■ Partnered with Clean the World to recover 3,500 lb of soaps and bottled amenities to reduce global disease

■ Continued investment in digital program development

■ Served 61.3% of produce by weight from local farms (<200 miles) at the 244th Attendee Welcome Reception in Philadelphia

■ Surveyed sustainability policies and practices from vendors

■ Partnered with World Travel & Tourism Council for the inaugural application of the Hotel Carbon Measurement Initiative standard carbon footprint calculation for the Philadelphia national meeting

In New Orleans, we are proud to work with the New Orleans Ernest N. Morial Convention Center in their commitment to sustainable practices in the areas of waste reduction, energy conservation,

water conservation, and clean air practices. The convention center is the largest contributor of food in New Orleans to community outreach programs Odyssey House—Second Helping Catering and Second Harvest Food Bank.

Be A Catalyst For Charge. As an attendee, you play an important role in the sustainability of the ACS national meeting and exposition. As you enjoy your time in New Orleans, please consider the following choices that can help reduce your environmental impact:

- Bring a reusable water bottle from home and avoid the cost and waste associated with petroleum-based plastic water bottles.
- Responsibly dispose of paper, plastic, glass, and aluminum materials throughout the convention center and hotels.
- Take advantage of linen reuse initiatives at your hotel, decline delivery of unread newspapers, and turn off the lights when you are not in your hotel room.
- Enjoy the city, burn calories, and travel carbon dioxide-neutral by walking to and from your hotel.
- When walking isn't an option, use the ACS carbon-offset shuttle service.
- Support the Carbon for Water offset project presented at the 245th ACS national meeting.

Suggestions? Send them to the ACS Committee on Environmental Improvement. Member contact information can be found at www.acs.org/committees.

TRAVEL & TRANSPORTATION

NEW ORLEANS is easily accessible by air or train and the city offers several options to get around, including the ACS shuttle, taxis, buses, and streetcars.

AIRPORT. Louis Armstrong New Orleans International Airport (MSY) is approximately 10 miles from downtown New Orleans. More information about the airport is available below and at flymsy.com.

AMTRAK. Trains depart and arrive from Union Passenger Terminal (1001 Loyola Ave., New Orleans, LA 70113) in the heart of the Central Business District. For more information or to purchase a ticket, call (800) 872-7245 or visit amtrak.com. Use reference code X15N-965 and receive a 10%

discount off the lowest fare when making reservations over the phone. Offer valid for travel between April 4 and April 14.

TRANSPORTATION DISCOUNTS. ACS has negotiated special travel discounts with the following partners. To get the best rates and avoid service fees it is recommended to make reservations online (except Amtrak).

AIRLINES:

American Airlines

aa.com; (800) 433-1790
Promotion code: 8643BY

Delta

delta.com; (800) 328-1111
Meeting event code: NMEZF (U.S.), NMF26 (international)

United Airlines

united.com; (800) 426-1122
Offer code: ZNVA937265

RENTAL CARS:

Avis

avis.com; (800) 331-1600
AWD code: B923099

Dollar Rent A Car

dollar.com; (800) 800-4000
Corporate #: CM2379

Hertz

hertz.com; (800) 654-2240
Convention number: 02UZ0012

TRAIN:

Amtrak

amtrak.com; (800) 872-7245
Reference code: X15N-965 (for phone reservations only)

AIRPORT GROUND TRANSPORTATION.

A ground transportation desk is located in each baggage claim area to assist travelers.

Public Transportation (bus).

The E2 Airport Route picks up outside door 7 on the upper level near the Delta counter. The fare is \$2.00. Route E2 provides service from the airport to the Central Business District on weekdays only between 5:37 AM and 6:14 PM; it takes approximately 35 minutes. For more information about public transit in the area, visit jeffersontransit.org (route E2), or norta.com (downtown New Orleans transportation).

Rental Cars. Rental offices are on the lower level in the airport. Please make reservations in advance. ACS discount codes are available for three companies (see above).

Shuttle Service. Shuttle service is available from the airport to the Central Business District for \$20 per person, one-way, or \$38

per person, round-trip. There is a three bag per person limit. Ticket booths are located on the lower level in the baggage claim area. For more information or to make a reservation, visit airportshuttleneworleans.com or call (504) 522-3500.

Taxi. Taxi service is available outside the baggage claim area. Taxi fare is \$33 from the airport to the Central Business District for one or two passengers and \$14 per person for three or more passengers. There may be an additional charge for extra baggage. Taxis are required to offer a credit card payment option.

TRAVELING TO MEETING VENUES

The New Orleans Ernest N. Morial Convention Center is located at 900 Convention Center Blvd., New Orleans, LA 70130.

ACS Shuttle. Complimentary shuttle service will be provided between the New Orleans Ernest N. Morial Convention Center and official ACS hotels, with the exception of hotels within walking distance. Buses will run from 7 AM to 11 PM from Sunday to Wednesday and 7 AM to 6 PM on Thursday. Buses will run approximately every 15 to 30 minutes. Visit the meeting website for a route map and to download the shuttle schedule.

If you require wheelchair access or for any other inquiries, please call (800) 523-4046 to schedule.

Parking. Daily parking is limited and expensive in downtown New Orleans. You should contact your hotel to inquire about daily parking policies and fees.

GETTING AROUND THE CITY

Walking. The New Orleans Ernest N. Morial Convention Center and ACS hotels are conveniently located in the Central Business District of New Orleans. Do your part to reduce our environmental impact by walking to ACS properties.

New Orleans Regional Transit Authority (RTA). New Orleans has an accessible public transportation system. You can take an RTA bus or one of the city's famed streetcars, which travel the Riverfront and Canal Street, for \$1.25. To learn more about the bus and streetcar routes and schedule, visit norta.com.

ACS MEMBER SERVICES

ACS MEMBER SERVICES. ACS staff can assist you on-site with joining ACS, renewing memberships, completing adjustments

to member records, and answering general membership questions. ACS members receive discounted rates when registering for the meeting.

ACS Member Services is located in Lobby A near registration in the New Orleans Ernest N. Morial Convention Center and is open Saturday, April 6, 3 to 6 PM; Sunday, April 7, 7:30 AM to 7:30 PM; Monday, April 8, 7:30 AM to 9:30 PM; Tuesday, April 9 and Wednesday, April 10, 7:30 AM to 5:30 PM; and Thursday, April 11, 7:30 AM to 1 PM.

ONLINE SOCIAL NETWORKING

TOOLS. Start discussions and connect with other attendees on the ACS Network and the ACS Facebook page. Follow ACS national meetings on Twitter. Read and comment on CENtral Science blog posts about ACS meetings.

MEETING POCKET GUIDE. View highlights and meeting information for the spring national meeting using the Meeting Pocket Guide. Pocket guides will be available for free throughout the convention center and available at all official ACS hotels.

ATTENDEE NATIONAL MEETING E-NEWSLETTER. Subscribe to the e-mail newsletter at emailpref.acs.org. Look for the latest information on the upcoming national meeting at www.acs.org/neworleans2013.

THE UPS STORE. Located in Lobby F of the convention center is a self-service and full-service operation, depending on the customer's needs. A wide range of services that include shipping, high-volume copying, faxing, badge chains, and color printing are available.

MEMBER INSURANCE PROGRAM. Exposition Booth No. 435. 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 station to learn how you can sign up for Life & Health Insurance, Auto & Homeowners Plus, Disability Income, Long-Term Care, Medicare Supplement, Medical Discount Cards, Pet Insurance, and Professional Liability.

Also learn more about our ACS Group Special Event Cancellation and Liability Insurance. With these two new policies you

TIPS FOR A SAFE STAY IN NEW ORLEANS

- 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.

can rest easy knowing your private event and finances are covered if the unexpected happens.

We look forward to showing you how you can receive great value for your insurance dollars. For additional information, visit www.acs.org/insurance.

ON-SITE MEETING ARRANGEMENTS

ADA-COMPLIANT MEETING. The New Orleans Ernest N. Morial Convention Center provides service ramps to entrances and elevated areas, braille instructions and directions throughout the building, and pay phones on each level of the facility with (TDD) hearing-impaired functions. More information is available at mccno.com.

ACS is dedicated to ensuring that no individual with a disability is excluded, denied services, segregated, or otherwise treated differently because of the absence of auxiliary aids and services identified in the Americans with Disabilities Act. If you require special accommodations to par-

ticipate in the meeting, communicate your needs to ACS Meeting Services by e-mail: nationalmeetings@acs.org; fax: (202) 872-4410; or TDD: (202) 872-4557 by Feb. 6 to allow 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.

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

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

ATTENDEE MESSAGING/MEETING

MAIL. After registering for the meeting, you will be assigned a temporary electronic mailbox to exchange personal messages with other registered attendees via Meeting Mail. Meeting Mail will be available before, during, and after the meeting at www.acs.org/neworleans2013. Use the Meeting Mail

terminals located in the New Orleans Ernest N. Morial Convention 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.

The use of any device to capture images (e.g., cameras and camera phones) or sound (e.g., tape and digital rebroadcast) of speakers or presentations is strictly prohibited at all ACS meetings and events without the express written consent from ACS.

CHILD CARE. Camp ACS will be available to all meeting attendees free of charge from 7 AM to 6 PM on Sunday, April 7, through Thursday, April 11. At Camp ACS, children two (and potty-trained) 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 par-

ticipation, register online by April 1 by calling (800) 539-1227. Visit www.acs.org/neworleans2013 for more information. 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.

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.

EMERGENCIES DURING ACS MEETING EVENTS. ACS will place detailed instructions inside each meeting room to be used if an emergency occurs during an ACS meeting event. These instructions will revolve around following the established emergency guidelines of the facility where the emergency occurs. Report emergencies to the nearest security guard or to any ACS Operations Office during the meeting. Should a catastrophic event occur, attendees should follow safety and security instructions issued by the facility where they are located at the time of the event.

HOST LOCAL SECTION. ACS gratefully acknowledges the cooperation and assistance of the ACS Louisiana local sections and their members in handling local arrangements. Volunteers have planned many interesting activities; the Host Local Section booth will be located in the New Orleans Ernest N. Morial Convention Center, Lobby B1.

INFORMATION BOOTH. Attendees who have meeting questions should visit the ACS Information Booth located in the New Orleans Ernest N. Morial Convention Center, Lobby B1. 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 Booth. Telephone messages left there will be conveyed to attendees via the electronic message center, but ACS cannot accept responsibility for the delivery of any messages, mail, and packages.

INTERNATIONAL REGISTRANTS. Many

international visitors are required to hold a visa prior to being admitted to the U.S. because of security measures 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/neworleans2013.

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 and the Internet as well as your personal Meeting Mail mailbox from Meeting Mail terminals, which will be located throughout the New Orleans Ernest N. Morial Convention 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 registration hours from Sunday through Thursday at the New Orleans Ernest N. Morial Convention Center, Great Hall. 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 New Orleans Ernest N. Morial Convention Center:
Attendee Registration: Great Hall
Career Fair: Hall B1
Exhibitor Registration: Hall C
Exposition: Halls B2 & C
Finance Office: Show Office B105
Host Local Section Booth: Lobby B1
Information Booth: Lobby B1
Member Services: Great Hall
Press Center: Rooms 215 & 216
Shuttle Desk: Outside Lobby B1

The following offices are located at the identified properties:

Operations Offices: New Orleans Ernest N. Morial Convention Center, DoubleTree by Hilton New Orleans, Hilton Riverside, InterContinental New Orleans, Loews New Orleans Hotel, New Orleans Marriott, New Orleans Downtown Marriott at the Convention Center, Astor Crowne Plaza—New Orleans

Governance Office: Hilton New Orleans Riverside

Society Programs: Hilton New Orleans Riverside

MOTHERS ROOM. For your convenience and privacy, ACS will provide a room for nursing mothers at the New Orleans Ernest N. Morial Convention Center. Please see the Operations Office, in Room 224, for access to the room.

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

SPEAKER INSTRUCTIONS

ALL SPEAKERS 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 verifying 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

THANK YOU

The society thanks the many volunteers of the Louisiana local sections who are contributing to the 245th ACS National Meeting & Exposition 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.

30 minutes before their scheduled speaking time. Poster presenters should set up their poster at least one hour before the start of their poster session. If you need to withdraw your presentation, please send a withdrawal notice to 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, 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 & AUDIO-VISUAL SERVICE CENTERS.

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 presenters 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. Visit the ACS Operations Office at any ACS property for speaker ready room locations. Speaker ready rooms are not equipped with copy machines. There is a UPS Store located in Lobby F of the convention center that provides a range of services including shipping, high-volume copying, faxing, badge chains, and color printing. For more information, please visit theupsstorelocal.com/6216.

POSTER SESSIONS. All materials must be confined to a 4-foot-high by 8-foot-wide display board in the convention center and 4-foot-high by 6-foot-wide display board in hotels. Presenters must mount their poster one hour before the scheduled session start time. 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. Presenters 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.

SCI-MIX POSTER SESSION ONLY. Sci-Mix presenters may begin poster setup at 7:15 PM (45 minutes before the session begins). Each presenter may be accompanied by one assistant only, and both people are required to check-in before entering the hall. After exiting, presenters will not be permitted to reenter the hall until the session begins at 8 PM.

ABSTRACTS & PREPRINTS

ONLINE TECHNICAL PROGRAM. The technical program for the 245th national meeting is now available at www.acs.org/neworleans2013. You can search by divisions or committees, symposia, speakers, or keywords from abstracts as well as presidential events and the multidisciplinary theme of "Chemistry of Energy & Food."

ABSTRACTS (USB FLASH DRIVE). Abstracts of all scientific sessions at the meeting can be purchased in USB flash drive (thumb drive) format through ACS Attendee Registration either online before Feb. 18 or on-site in New Orleans from April 7 to 11. The ACS member fee is \$65 each; the non-member fee is \$90 each. Attendees can pick up their abstracts on-site at ACS Attendee Registration at the New Orleans Ernest N. Morial Convention Center. You can have a USB flash drive shipped to you if you place your order before Feb. 18, pay an \$8.00 postage fee per item, and provide a valid street address 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 USB flash drives and their shipping costs are nonrefundable.

PREPRINTS/GRAPHICAL ABSTRACTS.

Preprints and graphical abstracts from the following divisions may be ordered directly from each division. You can purchase them via the information below or inquire about these products at the hospitality table for each division near their meeting rooms.

Energy & Fuels. Visit proceedings.com/2256.html

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

Polymeric Materials: Science & Engineering Inc.

Visit pmse.sites.acs.org/pmsepreprints.htm

SPECIAL & EDUCATIONAL EVENTS

PRESIDENTIAL EVENTS

DURING 2013, ACS President Marinda Li Wu has set a presidential theme and agenda based on "Partners for Progress & Prosperity."

She is also supporting "Chemistry of Energy & Food" as the theme for the New Orleans meeting, organized by the thematic program chair, James N. Seiber, professor emeritus of food science and technology at the University of California, Davis, and editor of the *Journal of Agricultural & Food Chemistry*. The plenary symposium will take place at 3:30 PM on Sunday, April 7.

One highlight will be a lecture titled "The Artificial Leaf" by Daniel G. Nocera, Patterson Rockwood Professor of Energy at Harvard University, for The Kavli Foundation Innovations in Chemistry Lecture on Monday, April 8, at 5:30 PM. It is preceded by the foundation's inaugural Emerging Leader In Chemistry Lecture by Christy L. Haynes, a chemistry professor from the University of Minnesota.

A major presidential event on Monday, April 8, and Tuesday, April 9, is a presidential symposium titled "Vision 2025: Helping ACS Members Thrive in the Global Chemistry Enterprise." The first session, on Monday morning, will include perspectives on global opportunities from acknowledged leaders in academia, business, and government. The second session, on Monday afternoon, will provide perspectives from presidents of international chemical societies. The third session, on Tuesday morning, will highlight the experiences of chemists who have found success in global start-ups and in foreign assignments.

A new International Employment Initiative (IEI) will be launched at Sci-Mix on Monday night. Employers with overseas job opportunities can connect with job seekers. IEI will be part of the ACS Career Fair and also the Virtual Career Fair.

Details of presidential events and other

recommended symposia can be found at www.acs.org/neworleans2013 and in the on-site program.

2013 NATIONAL AWARDS

RECIPIENTS will receive their award during the ACS awards dinner and general meeting. The event will be held on Tuesday, April 9; see Ticketed Events on page 69 for details. Several awards will be presented at the Arthur C. Cope Award Symposium in conjunction with the 246th ACS national meeting in Indianapolis in September.

ACS Award for Achievement in Research for the Teaching & Learning of Chemistry sponsored by Pearson Education, **Mary B. Nakhleh**, Purdue University. Address to be presented before the Division of Chemical Education.

ACS Award for Affordable Green Chemistry sponsored by Dow Chemical and endowed by Rohm and Haas, **Hari B. Sunkara**, DuPont. Address to be presented before the Division of Cellulose & Renewable Materials.

ACS Award for Computers in Chemical & Pharmaceutical Research sponsored by ACS, **H. Bernhard Schlegel**, Wayne State University. Address to be presented before the Division of Computers in Chemistry.

ACS Award for Creative Advances in Environmental Science & Technology sponsored by the ACS Division of Environmental Chemistry and the ACS Publications Division, **Donald R. Blake**, University of California, Irvine. Address to be presented before the Division of Environmental Chemistry.

ACS Award for Creative Invention sponsored by ACS Corporation Associates, **Timothy M. Swager**, Massachusetts Institute of Technology. Address to be presented before the Division of Polymer Chemistry.

ACS Award for Creative Research & Applications of Iodine Chemistry sponsored by SQM S.A., **Nancy S. Goroff**, State University of New York, Stony Brook. Address to be presented before the Division of Organic Chemistry.

ACS Award for Creative Work in Fluorine Chemistry sponsored by Honeywell, **Iwao Ojima**, State University of New York, Stony Brook. Address to be presented before the Division of Fluorine Chemistry.

ACS Award for Creative Work in Synthetic Organic Chemistry sponsored by Aldrich Chemical Co. LLC, **Erick M. Carreira**, Swiss Federal Institute of Technology, Zurich. 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, **Peter C. Ford**, University of California, Santa Barbara. 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, **George H. Fisher**, Barry University. Address to be presented before the Division of Chemical Education.

ACS Award for Encouraging Women into Careers in the Chemical Sciences sponsored by The Camille & Henry Dreyfus Foundation, **Heather C. Allen**, Ohio State University. Address to be presented before the ACS Women Chemists Committee.

ACS Award for Research at an Undergraduate Institution sponsored by Research Corporation for Science Advancement, **Nancy S. Mills**, Trinity University. Address to be presented before the Division of Organic Chemistry.

ACS Award for Team Innovation sponsored by ACS Corporation Associates, **Dustin Caldwell**, **April J. Carman**, **Glen E. Fryxell**, **Kenneth G. Rappé**, and **Thomas S. Zemanian**, Pacific Northwest National Laboratory. Address to be presented before the Division of Industrial & Engineering Chemistry.

ACS Award in Analytical Chemistry sponsored by Battelle Memorial Institute, **Isiah M. Warner**, Louisiana State University. Address to be presented before the Division of Analytical Chemistry.

ACS Award in Applied Polymer Science sponsored by Eastman Chemical, **Mitchell A. Winnik**, University of Toronto. Address to be presented before the Division of Polymeric Materials.

ACS Award in Chromatography sponsored by Supelco/Sigma-Aldrich, **Paul R. Haddad**, University of Tasmania, Australia.

Address to be presented before the Division of Analytical Chemistry.

ACS Award in Colloid & Surface Chemistry sponsored by Procter & Gamble, **Steve Granick**, University of Illinois, Urbana-Champaign. 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 ACS Division of Industrial & Engineering Chemistry, **Anne M. Gaffney**, Invista. Address to be presented before the Division of Business Development & Management and the Division of Industrial & Engineering Chemistry.

ACS Award in Inorganic Chemistry sponsored by Aldrich Chemical Co. LLC, **Daniel L. DuBois**, Pacific Northwest National Laboratory. Address to be presented before the Division of Inorganic Chemistry.

ACS Award in Organometallic Chemistry sponsored by Dow Chemical Co. Foundation, **Gregory L. Hillhouse**, University of Chicago. Address to be presented before the Division of Inorganic Chemistry.

ACS Award in Polymer Chemistry sponsored by ExxonMobil Chemical, **Craig J. Hawker**, University of California, Santa Barbara. Address to be presented before the Division of Polymer Chemistry.

ACS Award in Pure Chemistry sponsored by Alpha Chi Sigma Fraternity and Alpha Chi Sigma Educational Foundation, **Theodor Agapie**, California Institute of Technology. Address to be presented before the Division of Inorganic Chemistry.

ACS Award in Separations Science & Technology sponsored by Waters Corp., **Fred E. Regnier**, Purdue University. 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., **Younan Xia**, Georgia Institute of Technology. Address to be presented before the Division of Colloid & Surface Chemistry.

ACS Award in Theoretical Chemistry sponsored by Dell Inc., **Frank H. Stillinger**, Princeton University. Address to be presented before the Division of Physical Chemistry.

Award for Volunteer Service to the American Chemical Society sponsored by ACS, **William H. (Jack) Breazeale Jr.**, College of Charleston and Francis Marion University. Address to be presented during the ACS ChemLuminary Awards at the ACS fall national meeting in Indianapolis.

Roger Adams Award in Organic Chemistry sponsored by Organic Reactions Inc. and Organic Syntheses Inc., **David A. Evans**, Harvard University. Address to be presented at the National Organic Chemistry Symposium, in Seattle in June.

Arthur W. Adamson Award for Distinguished Service in the Advancement of Surface Chemistry sponsored by the ACS Division of Colloid & Surface Chemistry and the ACS Publications journal *Langmuir*, **Ulrike Diebold**, Vienna University of Technology and Tulane University. Address to be presented before the Division of Colloid & Surface Chemistry.

Alfred Bader Award in Bioinorganic or Bioorganic Chemistry sponsored by the Alfred R. Bader Fund, **David E. Cane**, Brown University. Address to be presented before the Division of Organic Chemistry.

Earle B. Barnes Award for Leadership in Chemical Research Management sponsored by Dow Chemical Co. Foundation, **Alan D. Palkowitz**, Eli Lilly & Co. 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, **Samuel I. Stupp**, Northwestern University. Address to be presented before the Division of Organic 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, **John F. Hartwig**, University of California, Berkeley. Address to be presented before the Division of Organic Chemistry.

James Bryant Conant Award in High School Chemistry Teaching sponsored by Thermo Fisher Scientific, **Stephen Radice**, Edward R. Murrow High School, New York City. Address to be presented before the Division of Chemical Education.

Arthur C. Cope Award sponsored by the Ar-

thur C. Cope Fund, **Stephen L. Buchwald**, Massachusetts Institute of Technology. Address to be presented before the Division of Organic Chemistry at the ACS fall national meeting in Indianapolis.

Arthur C. Cope Scholar Awards sponsored by the Arthur C. Cope Fund, **William R. Dichtel**, Cornell University; **Makoto Fujita**, University of Tokyo; **Michael J. Krische**, University of Texas, Austin; **Donald S. Matteson**, Washington State University; **Bradley S. Moore**, University of California, San Diego; **Thomas W. Muir**, Princeton University; **Jack R. Norton**, Columbia University; **Sarah E. Reisman**, California Institute of Technology; **Martin F. Semmelhack**, Princeton University; and **Shannon S. Stahl**, University of Wisconsin, Madison. Addresses to be presented before the Division of Organic Chemistry at the ACS fall national meeting in Indianapolis.

Elias J. Corey Award for Outstanding Original Contribution in Organic Synthesis by a Young Investigator sponsored by the Pfizer Endowment Fund, **Martin D. Burke**, University of Illinois, Urbana-Champaign. 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, **Gregory H. Robinson**, University of Georgia. 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., **William E. Moerner**, Stanford 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., **David H. Russell**, Texas A&M University. Address to be presented before the Division of Analytical Chemistry.

Francis P. Garvan-John M. Olin Medal sponsored by the Francis P. Garvan-John M. Olin Medal Endowment, **Susan M. Kauzlarich**, University of California, Davis. Address to be presented before the Division of Inorganic Chemistry.

James T. Grady-James H. Stack Award for Interpreting Chemistry for the Public spon-

sored by ACS, **Shirley O. Corriher**, author of "Cookwise" and "Bakewise." Address to be presented before the Division of Agricultural & Food Chemistry.

Ernest Guenther Award in the Chemistry of Natural Products sponsored by Givaudan, **Kuniaki Tatsuta**, Waseda University, Japan. Address to be presented before the Division of Organic Chemistry.

E. B. Hershberg Award for Important Discoveries in Medicinally Active Substances sponsored by Merck Research Laboratories, **Bruce E. Maryanoff**, Scripps Research Institute, Institute for Hepatitis & Virus Research, and Pennsylvania Drug Discovery Institute. Address to be presented before the Division of Medicinal Chemistry.

Joel Henry Hildebrand Award in the Theoretical & Experimental Chemistry of Liquids sponsored by ExxonMobil Research & Engineering, **Mark D. Ediger**, University of Wisconsin, Madison. Address to be presented before the Division of Physical Chemistry.

Ralph F. Hirschmann Award in Peptide Chemistry sponsored by Merck Research Laboratories, **Dale L. Boger**, Scripps Research Institute. Address to be presented before the Division of Organic Chemistry.

Ipatieff Prize sponsored by the Ipatieff Trust Fund, **Melanie S. Sanford**, University of Michigan. Address to be presented before the Division of Inorganic Chemistry.

E. V. Murphree Award in Industrial & Engineering Chemistry sponsored by ExxonMobil Research & Engineering Co., **Esther S. Takeuchi**, State University of New York, Stony Brook. Address to be presented before the Division of Energy & Fuels.

Nakanishi Prize sponsored by the Nakanishi Prize Endowment, **Arthur G. Palmer III**, Columbia University. Address to be presented before the Division of Physical Chemistry.

Nobel Laureate Signature Award for Graduate Education in Chemistry sponsored by Avantor Performance Materials, **Bryan C. Dickinson** (student), Harvard University, and **Christopher J. Chang** (preceptor), University of California, Berkeley. Address to be presented before the Division of Organic Chemistry.

James Flack Norris Award in Physical Organic Chemistry sponsored by the ACS North-eastern Section, **Ned A. Porter**, Vanderbilt 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, **Alexis T. Bell**, University of California, Berkeley. Address to be presented before the Division of Catalysis Science & Technology.

Charles Lathrop Parsons Award sponsored by ACS, **Geraldine L. Richmond**, University of Oregon. Address to be presented on Sunday, April 7, at 1:30 PM, at the Hilton Riverside.

George C. Pimentel Award in Chemical Education sponsored by Cengage Learning and friends and colleagues of George & Jeanne Pimentel, **Conrad L. Stanitski**, Franklin & Marshall College. Address to be presented before the Division of Chemical Education.

Priestley Medal sponsored by ACS, **Peter J. Stang**, University of Utah. Address to be presented before the general meeting of the American Chemical Society, Tuesday, April 9, at the New Orleans Marriott.

Glenn T. Seaborg Award for Nuclear Chemistry sponsored by the ACS Division of Nuclear Chemistry & Technology, **Richard G. Haire**, Oak Ridge National Laboratory. Address to be presented before the Division of Nuclear Chemistry & Technology.

Gabor A. Somorjai Award for Creative Research in Catalysis sponsored by the Gabor A. & Judith K. Somorjai Endowment Fund, **Tobin J. Marks**, Northwestern University. Address to be presented before the Division of Inorganic Chemistry.

E. Bright Wilson Award in Spectroscopy sponsored by the ACS Division of Physical Chemistry, **Steven G. Boxer**, Stanford 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 Newport Corp., **David M. Jonas**, University of Colorado, Boulder. Address to be presented before the Division of Physical Chemistry.

National Fresenius Award sponsored by Phi Lambda Upsilon, the National Chemistry

Honor Society, **Theodore A. Betley**, Harvard 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, high school teachers, and chemical professionals. Explore these opportunities in-depth at www.acs.org/neworleans2013.

UNDERGRADUATE PROGRAM. A vibrant program designed especially for undergraduate students has been planned by the Society Committee on Education's Undergraduate Programs Advisory Board. This educational and career-oriented program includes technical symposia and workshops on essential skills for success, employment in chemistry, and success in graduate school. Eminent scientist Kendall N. Houk, a chemistry professor at UCLA, will discuss "Computation & Collaboration for Chemical Discovery." Events will take place at the New Orleans Ernest N. Morial Convention Center.

SUNDAY, APRIL 7

Undergraduate Hospitality Center, 8:30 AM to 5 PM
Making the Most of Your First ACS Meeting, 9 to 9:45 AM
Graduate School Reality Check, Step I: Getting In, 10 to 11 AM
Graduate School Reality Check, Step II: You're In—Now What? 11 AM to noon
Chem Demo Exchange, 11 AM to 12:30 PM
Networking Social with Graduate School Recruiters, 11 AM to 4 PM
Technical Symposium: Computational Neuroscience Advances in Drug Abuse & Addiction, 1 to 2:30 PM
Technical Symposium: How To Become an Exemplary Teaching Assistant, 1 to 2:30 PM
Workshop Part I: Essential Skills for Success—Oral Presentation of Scientific Results, 2:45 to 4 PM
Workshop Part II: Essential Skills for Success—Write Like a Chemist, 4 to 5:15 PM
Workshop: Making Demos Matter, 4 to 5:30 PM

Student Chapter Awards Ceremony, 7 to 8:30 PM
Undergraduate Social, 8:30 to 11 PM

MONDAY, APRIL 8

Undergraduate Hospitality Center, 8 AM to 5 PM
Understanding Climate Science: A Scientist's Responsibility, 8:30 to 11:30 AM
Workshop: Award-Winning Outreach Programs—Chemists Celebrate Earth Day Ideas, 9:45 to 11:15 AM
Workshop: Employment in Chemistry—Academics, Industry, Small Business & Government, 9:45 to 11:15 AM
Undergraduate Research Poster Session (sponsored by CHED), noon to 2:30 PM
Eminent Scientist Lecture, 3 to 4 PM
Undergraduate Speed Networking with Industrial Chemists, 4 to 5:30 PM
Sci-Mix/Successful Student Chapter Posters, 8 to 10 PM

TUESDAY, APRIL 9

Water: A Grand Challenge for Science & Society, 8:30 to 11:30 AM
Chemistry & the Environment Film Series, noon to 2 PM

All events are sponsored or cosponsored by the Society Committee on Education's Undergraduate Programs Advisory Board. Chair: Matthew Mio, University of Detroit, Mercy. Program Chair: Jeffery D. Evanseck, Duquesne University, in Pittsburgh. For more information, go to www.acs.org/undergrad or contact the ACS Undergraduate Programs Office at (800) 227-5558 ext. 4480.

GRADUATE & POSTDOCTORAL PROGRAM. The Graduate & Postdoctoral Scholars Office with support from the Graduate Education Advisory Board provides and promotes programs and events for graduate students and postdoctoral scholars. All events will take place at the New Orleans Ernest N. Morial Convention Center.

MONDAY, APRIL 8

Graduate & Postdoctoral Scholars Reception, 7 to 8:30 PM

For more information about this reception and other ACS programs offered to graduate students and postdocs, visit www.acs.org/grad or contact the ACS Graduate & Postdoctoral Scholars Office at (800) 227-5558 ext. 4588.

HIGH SCHOOL TEACHERS PROGRAM.

The Division of Chemical Education and the ACS Education Division are sponsoring the High School Teachers Program. It will include a presentation on the Next Generation Science Standards, as well as presentations on new methods of teaching, classroom tools, resources, and activities. The High School/College Interface Luncheon will bring together educators from all grade levels with the goal of facilitating an exchange of ideas and networking among teachers.

High school teachers can register for the program directly through Attendee Registration; the special registration fee includes course materials, lunch, access to the full ACS meeting (Sunday through Thursday), and entry to the exposition (Sunday to Tuesday). Attendees can track professional development (based on clock hours) for sessions attended at the ACS national meeting. Upon completion and submission of ACS forms, participants will be mailed a certificate documenting their participation in the conference.

SUNDAY, APRIL 7

High School Teachers Program, 8:30 AM to 4:30 PM

For more information, contact the Office of High School Chemistry at education@acs.org or call (800) 227-5558 ext. 2105.

WORKSHOPS

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

Division of Chemical Health & Safety (CHAS)-sponsored workshop fees (unless otherwise indicated). CHAS member: Early registration (before Feb. 5) \$250, full registration \$325; non-CHAS member: early registration \$300, full registration \$375. Registration is required for all CHAS workshops. Register online at dchas.org.

Chemical Reactivity Hazards: Laboratory-Scale Recognition & Control. Saturday, April 6, 8:30 AM to 4 PM. New Orleans Ernest N. Morial Convention Center. *Sponsored by CHAS.* Presented in cooperation with OSHA. The objective of this workshop is to provide participants with the knowledge and skills to screen processes for potential hazards, to recognize when reactive hazards are present, and to 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 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.

Going Global—Hazard Communication Meets Global Harmonization. Saturday, April 6, 8:30 AM to 12:30 PM. New Orleans Ernest N. Morial Convention Center. *Sponsored by CHAS.* Changes to OSHA's Hazard Communication Standard, effective March 26, 2012, adopted several aspects related to global harmonization of safety materials. The revised standard includes revised criteria for classification of chemical hazards, new labeling provisions, a specified format for safety data sheets, revised definitions, and new training requirements. The new labeling and data sheets require the use of standardized signal words, pictograms, hazard statements, and precautionary statements. This workshop will focus on the revised standard and provide tips for implementing the new requirements. The workshop is designed for the practitioner who is responsible for translating the standard to individuals who work in teaching, research, or industrial laboratories. Fee: \$125.

How To Be a More Effective Chemical Hygiene Officer. Saturday, April 6, 8:30 AM to 4 PM. New Orleans Ernest N. Morial Convention 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, which will be held on Sunday, April 7, through the National Registry of Certified Chemists. Russ Phifer provides a different slant to safety issues in the laboratory, focusing on what you do and how you can do it better. The course covers all of the content areas of the certification exam, including a sample test in the same format as the real one.

Laboratory Safety Workshop. Friday, April 5, 8:30 AM to 4 PM. New Orleans Ernest N. Morial Convention Center. *Sponsored by CHAS.* This presentation on laboratory safety by the Laboratory Safety Institute has been attended by thousands of safety professionals. With experience in both industrial and academic laboratories, the presenters take a real-world approach to safety issues in the laboratory. Interactive demonstrations will teach you about issues such as creative wiring in the lab and how to work with administrators to keep a safe working environment. This workshop provides an excellent forum to speak openly about safety in your workplace.

Laboratory Waste Management. Friday, April 5, 8:30 AM to 4 PM. New Orleans Ernest N. Morial Convention Center. *Sponsored by CHAS.* This comprehensive course will identify the various regulatory requirements that apply to laboratories that generate hazardous waste, as well as provide insight to the options for on-site management and off-site disposal. The focus will include discussion of recycling/reclamation techniques, economical handling of waste, and liability issues.

Business Pitch Workshop & Competition. Sunday, April 7, and Wednesday, April 10, 9 AM to 1:30 PM. InterContinental New Orleans. *Sponsored by BMGT & YCC.* At the workshop on Sunday, students will learn how to turn an idea into a business model. On Wednesday, a business pitch competi-

ENVR NRCC CERTIFICATION EXAMS

WHAT: Certification exams of the National Registry of Certified Chemists

WHEN: Sunday, April 7, 8 AM to noon

WHERE: Hampton Inn & Suites Convention Center

HOW: Advance registration and completion (with approval) of application must be done before March 1.

Requests for applications and registration should be made by e-mail to rphifer@nrcc6.org with the subject line Chemical Hygiene Officer and your mailing address in the body of the e-mail, or request by mail to NRCC, 125 Rose Ann La., West Grove, PA 19390.

Call (610) 322-0657 with questions or visit nrcc6.org.

tion will take place, with a cash prize of \$1,000. Register online at goo.gl/TFwXx. Fee: Free.

COACH: The Chemistry of Leadership.

Saturday, April 6, 8:30 AM to 5 PM. Astor Crowne Plaza—New Orleans. *Sponsored by COACH.* This program will give participants some basic tools to develop their leadership skills. Participants will learn about leadership (including their own style), explore what is known about gender and its role in leadership situations, reflect

on their own leadership challenges, and do some self-assessment and planning to identify areas for skill enhancement. The program will involve a variety of instructional approaches, including presentation, small group discussion, and experiential learning. Preregistration is required; visit coach.uoregon.edu. For more information, contact Priscilla Lewis at coach@uoregon.edu or (541) 346-0116. Fee: Free.

COACHing Strong Women in the Art of Strategic Persuasion—Senior Faculty.

Saturday, April 6, 8:30 AM to 5 PM. Astor Crowne Plaza—New Orleans.

COACHing Strong Women in the Art of Strategic Persuasion—Junior Faculty.

Saturday, April 6, 8:30 AM to 5 PM. Astor Crowne Plaza—New Orleans.

Sponsored by COACH. These workshops will help professional women be more effective when leading or participating in discussions, meetings, or group negotiations. Learn about strategic rather than reactive behaviors and effective speaking voices while tuning out stress and tension, which will allow you to be heard. The workshops combine presentation, leadership training, and faculty development in an interactive format that encourages highly personal learning. Topics include communication styles effective for women; projecting confidence and credibility through voice, image, and body language; dealing with difficult conversations; and using powerful rather than weak words. Preregistration is required; visit coach.uoregon.edu. For more information, contact Priscilla Lewis at coach@uoregon.edu or (541) 346-0116. Fee: Free.

2013 Leadership Development System Course Offerings

The following four-hour facilitated 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. For course times, descriptions, scholarship information, or to register, go to www.acs.org/leaderdevelopment. For more information, contact Kareem Redmond, (202) 872-6015, or e-mail leaders@acs.org. Participation is open to all interested registrants.

Engaging Colleagues in Dialogue. Good communication makes a difference when interacting with others for school projects, with colleagues in the lab or office, or with volunteer committees. This course will help you improve your communication skills so that your message is clear and so that you can respond more effectively to others' messages. You will assess your own communication skills through conversations with others.

Fostering Innovation. Keeping pace in an environment of constant change requires innovation. Whether you are part of a nonprofit, business, or academic environment, the ability to contribute to the creation of new ideas, new processes, and new approaches is a key to success. Coming up with new ideas is challenging, and few of us have the tools and skills to do this effectively. This course will teach a proven, systematic process to generate ideas. You will learn your innovation style and how to stimulate innovative thinking among team members and colleagues.

Leading Change. A common reaction to change includes resistance, which can derail a team, stall projects, create confusion, and cause a loss of focus. While change is necessary, it can pose a challenge to leaders. This hands-on course will provide participants with a step-wise process to guide teams effectively through change for great results and efficiency. You will learn how to maintain a clear vision and keep everyone focused on priorities. If you are leading projects, work groups, or committees that are going through significant change, this course will provide valuable skills that you can use.

Leading without Authority. Leading volunteers comes with many challenges, including having no direct authority over the members. Leaders need to be able to engage and influence members to get things done, even when they may put up barriers or have different viewpoints. Learn practical tools to help you gain cooperation without formal authority and motivate your colleagues or volunteers.

Strategic Planning. The success of a team depends on its leader's ability to act as a guide. A strategic plan helps the group be productive and stay aligned with the organization's goals. This course will improve your understanding of how to develop a strategic plan and it will help translate high-level goals into actionable goals for your team using the ACS Board of Directors' strategic goals.

Risk Management & Insurance—What Current & Future Entrepreneurs Should Consider.

Monday, April 8, 3 PM to 4 PM. Hilton Garden Inn New Orleans Convention Center. *Sponsored by the Board of Trustees, Group Insurance Plans for ACS Members.* Whether you are now, or are thinking of becoming, an entrepreneur, a small business owner, or a consultant, this workshop offers practical information. A panel of experts will help you understand business risks and the role insurance can play in the management of these risks. Panelists will address common insurance questions and an attorney will discuss claim issues, outline contract features, and offer negotiation tips. Attendees will also learn about the variety of insurance plans available from ACS for its members. For attending this workshop, the underwriter will offer a one-time 10% discount (up to \$200) on a new or renewed policy. For additional information about the ACS Member Insurance Program, visit www.acs.org/insurance. Fee: Free.

ACS SHORT COURSES

THE FOLLOWING short courses, specifically designed to improve the skills and marketability of chemical scientists and technicians, are offered in conjunction with the national meeting in New Orleans.

ACS member, 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 New Orleans, obtain course and pricing details, or view a full course catalog online at proed.acs.org. If you have questions, call (202) 872-4508, fax (202) 872-6336, or e-mail shortcourses@acs.org.

ANALYTICAL

1-D & 2-D NMR Spectroscopy: Structure Determination of Small-Molecule Organic Compounds, April 6–7
Analysis & Interpretation of Mass Spectral Data, April 9–10
Fundamentals of High-Performance Liquid Chromatography, April 9–10
Introduction to Modern Mass Spectrometry, April 6–7
Introduction to Pharmaceutical Analysis, April 6–7
Understanding & Utilizing Atomic Force Microscopy: From Basic Modes to Advanced Applications, April 6

BIOLOGICAL/PHARMACEUTICAL/MEDICINAL CHEMISTRY

Biopharmaceutical Formulation & Stability, April 6
Design of Downstream Processes & Analytics, April 6
Design of Fermentation & Cell Culture Processes, April 6
Druglike Properties: Optimizing Pharmacokinetics & Safety in Drug Discovery, April 6–7
Essentials of Medicinal Chemistry & Pharmacology, April 9–10
Introduction to Pharmaceutical Analysis, April 6–7
Process Analytical Technology & Quality by Design, April 6

COMPUTERS/STATISTICS/ENGINEERING

Applied Computational Modeling, April 9–10
Chemical Engineering & Process Fundamentals for Chemists, April 6–7
Experimental Design for Productivity & Quality in Research & Development, April 6–8

GENERAL

Effective Supervision of Scientists & the Technical Staff, April 6–7
Effective Technical Writing, April 9–10
From Kitchen to Plant: Industrial Production of Processed Food Products,

April 9–10
Fundamentals of Food Packaging, April 7

ORGANIC/PHYSICAL CHEMISTRY

1-D & 2-D NMR Spectroscopy: Structure Determination of Small-Molecule Organic Compounds, April 6–7
Dispersions in Liquids: Suspensions, Emulsions & Foams, April 6–7
Essentials of Organic Chemistry, April 8
Mastering the Art of Writing Reasonable Organic Reaction Mechanisms, April 9–10
Organic Synthesis: Methods & Strategies for the 21st-Century Chemist, April 6–7
NMR Spectral Interpretation & Organic Spectroscopy: A Problem-Based Learning Approach, April 9–10
Particle Surface Modification Technologies for Improving Properties & Applications, April 7

POLYMER CHEMISTRY

Polymer Science & Technology, April 6–7
Polymeric Coatings, April 9–10

PROFESSIONAL DEVELOPMENT

Effective Supervision of Scientists & the Technical Staff, April 6–7
Effective Technical Writing, April 9–10
Mastering the Art of Writing Reasonable Organic Research Mechanisms, April 9–10
Practical Approaches to Patents & Other Forms of Intellectual Property, April 7

REGULATORY/ENVIRONMENTAL

Methods Development, Validation Procedures & Regulatory Compliance Issues, April 6–7
Practical Approaches to Patents & Other Forms of Intellectual Property, April 7

ACS CAREER FAIR ON-SITE AND ONLINE

JOB SEEKERS, are you looking to jump-start your job search or enhance your professional development? Employers, are you looking to hire scientists and engineers? Then you need to attend the ACS Career Fair, open Sunday, April 7, 9 AM to 5:30 PM; Monday, April 8, 8 AM to 5 PM; and Tuesday, April 9, 8 AM to 5:30 PM, in the Ernest N. Morial Convention Center, Hall B1. The Virtual Career Fair will be held on April 8 and 9, 9 AM to 7 PM. Whether on-site or online, the career fair is the place where the best talent and the best employers in chemistry meet.

During the career fair, participants can take full advantage of the following:

- Networking opportunities
- Résumé reviews
- One-on-one career consulting
- Interview practice and skills building
- More than 30 career-related workshops
- Keynote speakers presented live and via webcast
- Request live and virtual interviews

LET ACS HELP YOU REACH YOUR CAREER GOALS.

ACS will help you prepare for your next career move by providing resources that make it possible to map out your personal job search strategy, strengthen your résumé, and build your interview skills, all with the support of career consultants.

On-site job seekers must be ACS members, be registered for the national meeting, and complete career fair registration at www.acs.org/careers (pick up a career fair registration badge in Hall B1 of the convention center beginning Sunday, April 7).

Please note: We cannot guarantee that you will secure interviews at the ACS Career Fair or online at the Virtual Career Fair. Interviewing is strictly contingent on the availability of positions and the credentials and qualifications that employers are seeking.

GET ONLINE AND OPTIMIZE YOUR

JOB SEARCH! The virtual portion of the ACS Career Fair eliminates geographical barriers, enabling job seekers and employers to connect with each other from their home, from their office, or from the dedicated computer stations at the meeting. Interviews and informal discussions will take place in virtual booths via text or video chat. Additionally, job seekers can schedule time with ACS career consultants for one-on-one consultations and attend live events via webcast. In today's tough economy, it makes good sense to enhance your job search by participating fully in both the on-site and online ACS career fairs. Register at www.acs.org/vcf.

IDEAL FOR EMPLOYERS. Leading employers around the world trust and depend on ACS to provide them with the talent they need to innovate and excel. At our last event, more than 2,000 global job seekers—from recent grads to seasoned professionals—met with on-site and virtual recruiters seeking to fill positions in all facets of chemistry, pharmaceuticals, and biotechnology. This career fair continues

the innovation, with both on-site and on-line interviewing opportunities.

The ACS Careers Jobs Database can help manage your employer account, post jobs, search for qualified candidates, and schedule career fair interviews. Moreover, participating in the ACS Career Fair enables you to accomplish the following:

- Connect with top talent via on-site and online interviews.
- Screen candidates and make appointments in advance.
- Find the personnel your company needs to thrive, from entry- to executive-level positions.
- Meet qualified candidates informally via on-site and online networking forums.
- Extend your presence for 90 days after the career fair via the ACS jobs database and your virtual booth.

ACS CAREER FAIR AND THE ACS EXPOSITION TEAM HAVE JOINED FORCES.

Employers can purchase booth space inside the exposition hall, enabling your company to maximize its ability to showcase products and services and connect with job seekers. Employers can sign up for the ACS Career Fair Recruiters Row package online at www.acs.org/careers.

Employers will receive an e-mail confirmation and must visit the ACS Career Fair Information Booth in the New Orleans Ernest N. Morial Convention Center, Hall B1, to pick up their blue badge. For more information, please visit www.acs.org/careerfair. You can also contact Garretta Rollins at (800) 227-5558 ext. 6209 (U.S./Canada only), (202) 872-6209 (international), or e-mail g_rollins@acs.org.

ONE-ON-ONE CAREER CONSULTING.

Individual 30-minute appointments with career consultants are available both on-site and online. These consults can help you strengthen your résumé, improve your interviewing skills, and design a job search or comprehensive professional growth strategy. Please bring a copy of your résumé or CV to all appointments. All one-on-one on-site career consulting sessions will take place in the Résumé Review/Mock Interview area in Hall B1. Sign-up begins at 9 AM on Sunday, April 7, on a first-come, first-served basis.

CAREER AND PROFESSIONAL DEVELOPMENT WORKSHOPS.

More than 30 career-related workshops will help you with everything from your résumé to optimizing job performance to how to ace an

interview. Workshop times are subject to change. Please consult the online workshop schedule at www.acs.org/careerfair or the "Guide to the ACS Career Fair" on-site brochure for final workshop program and times.

All workshops will be held in the convention center.

SUNDAY, APRIL 7

Careers in Industry—Part I, 8:30 to 10:30 AM

Acing the Interview, 8:30 AM to 12:30 PM

Finding Your Path, 8:30 AM to 12:30 PM

Foreign-National Scientist: Obtaining a Job In the U.S., 9 to 10:30 AM

Patents & Intellectual Property, 10:45 AM to noon

Careers in Industry—Part II, 10:45 AM to 12:45 PM

Careers in Higher Education—Part I, 1:15 to 3:15 PM

Electronic Tools To Enhance Your Job Hunt, 1:30 to 3 PM

Acing the Interview, 1:30 to 5:30 PM

Careers in Government, 1:30 to 5:30 PM

Writing Excellent Proposals, 3:30 to 5 PM

Careers in Higher Education—Part II, 3:30 to 5:30 PM

MONDAY, APRIL 8

Careers in Higher Education—Part I, 8:30 to 10:30 AM

Careers in Government, 8:30 AM to 12:30 PM

Working for Yourself, 8:30 AM to 12:30 PM

Careers in Higher Education—Part II, 10:45 AM to 12:45 PM

Careers in Industry—Part I, 1:15 to 3:15 PM

Acing the Interview, 1:30 to 5:30 PM

Finding Your Path, 1:30 to 5:30 PM

Careers in Industry—Part II, 3:30 to 5:30 PM

TUESDAY, APRIL 9

Careers in Industry—Part I, 8:30 to 10:30 AM

Acing the Interview, 8:30 AM to 12:30 PM

Finding Your Path, 8:30 AM to 12:30 PM

Careers in Industry—Part II, 10:45 AM to 12:45 PM

Careers in Higher Education—Part I, 1:15 to 3:15 PM

Careers in Government, 1:30 to 5:30 PM

Working for Yourself, 1:30 to 5:30 PM

Careers in Higher Education—Part II, 3:30 to 5:30 PM

WEDNESDAY, APRIL 10

Careers in Industry—Part I, 8:30 to 10:30 AM

Acing the Interview, 8:30 AM to 12:30 PM

Finding Your Path, 8:30 AM to 12:30 PM

Careers in Industry—Part II, 10:45 AM to 12:45 PM

EXPOSITION

SEE WHAT'S NEW INSIDE THE EXPOSITION.

Visit the ACS National Exposition at the New Orleans Ernest N. 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 units 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 New Orleans Ernest N. 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. Exhibitor workshop registration will be available in late January at www.acs.org/neworleans2013.

Presentations, Prizes & Special Events.

Visit the Daily Prize Raffle area on 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 New Orleans Ernest N. 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, by mail, or in person at ACS Attendee Registration in the Great Hall.

GOVERNANCE MEETINGS

For the complete list of committee meetings and agendas, please consult www.acs.org/neworleans2013 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 participate, will be held in the New Orleans Ernest N. Morial Convention Center from noon to 1 PM on Sunday, April 7.

ACS COUNCIL. The ACS Council meeting will begin at 8 AM, Wednesday, April 10, at the Hilton Riverside. 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. We hope 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 AGENDA

THE COMMITTEE ON COMMITTEES has clarified three types of committee meetings:

OPEN. May be attended by any ACS member. At these sessions, members are encouraged to voice concerns, issue compliments, offer suggestions, express interest in, or raise questions about matters over which the committee has purview. The assumption is that participation is welcomed and will be orderly and courteous. Only committee members can vote.

EXECUTIVE. Attendance and participation are limited to officially appointed/elected committee members, associates, advisers, consultants, staff liaisons, and the appointed Committee on Committees liaison. 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 can 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 officially appointed/elected committee members, associates, consultants, staff liaisons, and the appointed Committee on Committees liaison shall remain in the session. Others may stay in the session at the discretion of the chair. Once these discussions have been completed, the committee should return to 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 to the officers listed or ask someone attending the session to speak on your behalf. For

further information, contact the officers listed.

BUDGET & FINANCE

Pat N. Confalone, chair; vice president, DuPont Global R&D, Stine-Haskell Research Center, 1090 Elkton Rd., S200, Newark, DE 19711-3510

Open Meeting
Saturday, April 6, 8 AM to noon
Hilton Riverside

CHEMICAL ABSTRACTS SERVICE

Grace Baysinger, chair; Stanford University, Swain Chemistry & Chemical Engineering Library MC 5081, 364 Lomita Dr., Stanford, CA 94305-5006

Executive Session
Friday, April 5, 6:30 to 8:30 PM
Hilton Riverside

CHEMICAL SAFETY

Robert Hill, chair; 5795 Nash Commons Dr., Stone Mountain, GA 30087-2869

Combined Open Meeting
and Executive Session
Monday, April 8, 8:30 to 11:30 AM
Hilton Riverside

CHEMISTRY & PUBLIC AFFAIRS

Connie Murphy, chair; 109 East Haley St., Midland, MI 48640-5907

Open Meeting
Saturday, April 6, 8 AM to 4 PM
Hilton Riverside

CHEMISTS WITH DISABILITIES

Karl S. Booksh, chair; University of Delaware, Chemistry & Biochemistry Department, Newark, DE 19716

Combined Open Meeting
and Executive Session
Sunday, April 7, 8 AM to 4:30 PM
Hilton Riverside

COMMITTEES

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

Open Executive Session
Monday, April 8, 1:30 to 2:30 PM
Hilton Riverside

COMMUNITY ACTIVITIES

George L. Heard, chair; University of North Carolina, Asheville, Department of Chemistry, CPO #2010, Asheville, NC 28804

CCA/LSAC Joint Open Meeting
Tuesday, April 9, 2 to 3:30 PM
New Orleans Ernest N. Morial Convention Center

Executive Session
Sunday, April 7, 8 AM to noon
New Orleans Ernest N. Morial Convention Center

CONSTITUTION & BYLAWS

Harmon B. Abrahamson, chair; University of North Dakota, 151 Cornell St., Stop 9024, Grand Forks, ND 58202-9024

Open Meeting
Sunday, April 7, 1 to 1:30 PM
Hilton Riverside

Executive Sessions
Sunday, April 7, 9 AM to 1 PM and 1:30 to 4:30 PM; Wednesday, April 10, end of council to 2:30 PM
Hilton Riverside

CORPORATION ASSOCIATES

Dawn Mason, chair; 2705 Berkshire La., Kingsport, TN 37660-4769

Open Meeting
Monday, April 8, 8 AM to noon
Loews New Orleans Hotel

COUNCIL POLICY

Carolyn Ribes, vice chair; cribes@dow.com

Open Meeting
Tuesday, April 9, 9:30 AM to noon
Hilton Riverside

DIVISIONAL ACTIVITIES

Michael J. Morello, chair; mike.morello@pepsico.com

Open Session
Sunday, April 7, 7:30 AM to noon
Hilton Riverside

ECONOMIC & PROFESSIONAL AFFAIRS

Lisa Balbes, chair; lisa@balbes.com or 648 Simmons Ave., Kirkwood, MO 63122-2740

Executive Session
Saturday, April 6, 8 AM to 5:30 PM
New Orleans Ernest N. Morial Convention Center

Open Executive Session
Sunday, April 7, 8 AM to noon
New Orleans Ernest N. Morial Convention Center

EDUCATION

Andy Jorgensen, chair; University of Toledo, Department of Chemistry, MS 602, 2801 West Bancroft St., Toledo, OH 43606-3328

Open Meeting
Monday, April 8, 3 to 4 PM
Hilton Riverside

Executive Session
Friday, April 5, 1 to 5:30 PM
Hilton Riverside

ENVIRONMENTAL IMPROVEMENT

Matt Fisher, chair; St. Vincent College, Department of Chemistry, 300 Fraser Purchase Rd., Latrobe, PA 15650-2667

Open Executive Session
Saturday, April 6, 4 to 6 PM
Hilton Riverside

ETHICS

Gregory M. Ferrence, chair; 4160 Department of Chemistry, Illinois State University, Normal, IL 61790-4160

Open Executive Session
Sunday, April 7, 9 AM to 4:30 PM
Hilton Riverside

INTERNATIONAL ACTIVITIES

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

Open Meeting
Saturday, April 6, 1 to 5 PM
Hilton Riverside

Subcommittee Meetings
Saturday, April 6, 9 AM to noon
Hilton Riverside

LOCAL SECTION ACTIVITIES

Mitchell Bruce, chair; mbruce@maine.edu or Department of Chemistry, University of Maine, Orono, ME 04469

LSAC/CCA Joint Open Meeting
Tuesday, April 9, 2 to 3:30 PM
New Orleans Ernest N. Morial Convention Center

Executive Session
Sunday, April 7, 8 AM to noon
New Orleans Ernest N. Morial Convention Center

MEETINGS & EXPOSITIONS

Will E. Lynch, chair; Department of Chemistry and Physics, Armstrong Atlantic State University, 11935 Abercorn St., Savannah, GA 31419-1997

Executive Session
Saturday, April 6, 3 to 5:30 PM
New Orleans Ernest N. Morial Convention Center

Combined Open Meeting and Executive Session
Sunday, April 7, 7 AM to noon
New Orleans Ernest N. Morial Convention Center

MEMBERSHIP AFFAIRS

Wayne Jones, chair; Binghamton University (SUNY), Binghamton, Vestal Pkwy. East, P.O. Box 6000, Binghamton, NY 16902

Executive Session
Sunday, April 7, 8 AM to 4 PM
Hilton Riverside

Open Meeting
Monday, April 8, 1 to 2 PM
Hilton Riverside

MINORITY AFFAIRS

Al Ribes, chair; aribes@dow.com

Executive Session
Sunday, April 7, 8:30 AM to noon
Hilton Riverside

Open Executive Session
Sunday, April 7, noon to 5 PM
Hilton Riverside

NOMENCLATURE, TERMINOLOGY & SYMBOLS

Albert C. Censullo, chair; 1595 Cordova Dr.,
San Luis Obispo, CA 93405

Open Meeting
Monday, April 8, 2 to 5 PM
Hilton Riverside

NOMINATIONS & ELECTIONS

William H. (Jack) Breazeale Jr., chair;
nomelect@acs.org

Open Meeting
Monday, April 8, 11 AM to noon
Hilton Riverside

PATENTS & RELATED MATTERS

James L. Chao, chair; 7424 Ridgefield Dr.,
Cary, NC 27519-0503

Open Meeting
Saturday, April 6, 9 AM to 5 PM
Hilton Riverside

PROFESSIONAL TRAINING

Anne B. McCoy, chair; Department of
Chemistry, Ohio State University, 100
West 18th Ave., Columbus, OH 43210

Open Meeting
Sunday, April 7, noon to 1:30 PM
New Orleans Downtown Marriott at the
Convention Center

PROJECT SEED

Sandra Bonetti, chair; Colorado State Uni-
versity, Pueblo, Department of Chemistry,
2200 Bonforte Blvd., Pueblo, CO 81001-
4901

Open Meeting
Sunday, April 7, 9:30 to 10:30 AM
Hilton Riverside

Executive Session
Saturday, April 6, 10:30 AM to 5 PM
Hilton Riverside

PUBLICATIONS

Stephanie Brock, chair; Wayne State Uni-
versity, Chemistry, 5101 Cass Ave., Detroit,
MI 48202-3929

Open Meeting
Friday, April 5, 4:30 to 5 PM
Hilton Riverside

Executive Session
Friday, April 5, 1 to 5 PM
Hotel Riverside

SCIENCE

Katherine Glasgow, chair; NomaCorc LLC,
400 Vintage Park Dr., Zebulon, NC 27597-
3803

Open Meeting
Saturday, April 6, 9 AM to 5 PM
Hilton Riverside

SENIOR CHEMISTS

George Heinze, chair; 30 Bunker Hill Run,
East Brunswick, NJ 08816-331

Open Meeting
Monday, April 8, 8:30 AM to noon
Hilton Riverside

TECHNICIAN AFFAIRS

Mary K. Moore, chair; 512 Locust St., Jones-
borough, TN 37659-1020

Executive Session
Sunday, April 7, 9 AM to 1:50 PM
Hilton Riverside

Open Session
Sunday, April 7, 2 to 3 PM
Hilton Riverside

WOMEN CHEMISTS

Judith H. Cohen, chair; Johnson & Johnson
Pharmaceutical Research & Development,
Spring House, PA 19477

Executive Session
Saturday, April 6, 8 AM to 5 PM
Hilton Riverside

WCC Open Meeting &
Just Cocktails Reception
Monday, April 8, 4 to 5:30 PM
Hilton Riverside

YOUNGER CHEMISTS

Dorothy Miller, chair; Environmental Pro-
tection Agency, 1200 Pennsylvania Ave.,
N.W., MC 8102R, Washington, DC 20460

Executive Session
Sunday, April 7, 8 AM to noon
Hilton Riverside

COUNCIL POLICY COMMITTEE

The Council Policy Committee will open the floor during its meeting at 11 AM on Tuesday, April 9, to councilors who would like to raise issues of concern that affect them and/or their local sections or divisions. For further information contact Carolyn Ribes, vice chair of CPC, at cribes@dow.com. For more committee meeting details and agendas, please consult the meeting website at www.acs.org/neworleans2013 or the on-site program distributed during the meeting.