

TECHNICAL PROGRAM SUMMARY

Presidential Event

PRES

N. B. Jackson, ACS President

Located with Primary Organizer	S	M	Tu	W	Th
International Collaboration in the Chemical Sciences: Best Practices* (IAC)		P			

Chemistry of Natural Resources

CNR

A. Albertsson, Program Chair

Hilton Anaheim/Anaheim Convention Center	S	M	Tu	W	Th
Chemistry of Natural Resources Plenary	P				
The Kavli Foundation Innovations in Chemistry Lecture		P			

Division of Agricultural & Food Chemistry

AGFD

A. Mitchell, Program Chair

Anaheim Marriott	S	M	Tu	W	Th
Tree Nuts	A	A			
Withycombe-Charlambous Graduate Student Research Symposium	A				
Nanotechnology for Food & Agriculture	D	A			
Undergraduate Student Research Award Symposium	P				
Cereal Grains: Chemistry, Nutrition & Health			D		
Spencer Award Symposium		P			
Sci-Mix		E			
Bioactives in Food & Natural Health Products: Fundamentals, Applications & Health Effects			A	A	
General Papers			A		A
IYC Public Appreciation of Agricultural & Food Chemistry: Food Tastes Good!			A		
AGFD International Year of Chemistry Symposium			P		
IYC Contribution of Women to Agricultural & Food Chemistry			P		
General Posters			P		
Bioactives in Natural Sweeteners					D

Division of Agricultural & Food Chemistry (continued)

AGFD

A. Mitchell, Program Chair

Anaheim Marriott	S	M	Tu	W	Th
Vitamins: Effectiveness of Supplements vs. Food				D	
Effect of Agricultural Practices & Growth Conditions on Bioactive Compounds					A
Utilization of Waste & Coproduct Materials					A
Undergraduate Poster Session* (CHED)		P			

Division of Analytical Chemistry

ANYL

D. Koppenaal, Program Chair

Sheraton Park Hotel At The Anaheim Resort	S	M	Tu	W	Th
General Posters	A				P
New Analytical Methods & Approaches	A				
Chemical Sensors	P	D			
General Papers	P				P
Partnerships & New Analytical Methodologies at the Interface of Chemistry & Art**		D	A		
Nano Methods				D	
Innovative Problem Solving in Industry: Trends & Emerging Practices**				P	
Biological Mass Spectrometry/Bioanalytical Methods					A
Spectroscopy					D
Separation Sciences & Supramolecular Assembly: Analysis & Applications					P
Separations & Chromatography					D
Undergraduate Poster Session* (CHED)		P			
ACS Award for Encouraging Disadvantaged Students into Careers in the Chemical Sciences: Honoring Wilfredo Colon* (BIOL)					P

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

**Primary organizer of a cosponsored symposium.

*Probationary division.

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

Division of Biochemical Technology

BIOT

S. Banta, R. Venkat, Program Chairs

Anaheim Marriott	S	M	Tu	W	Th
Alan S. Michaels Award for the Recovery of Biological Products Lecture	A				
Downstream Processes	D	D	D	D	
Recent Advances in Biotechnology Product Development	D	A			
Stem Cells & Regenerative Medicine	D	D	A		
Biophysical & Biomolecular Processes	P	D	D	D	A
David Perlman Lecture	P				
BIOT Young Investigator Award Lecture		A			
Upstream Processes		D	D	D	D
Recent Advances in Biotechnology Product Development		P			
Sci-Mix		E			
Marvin J. Johnson Award in Microbial & Biochemical Technology Lecture			A		
Biofuels			D	D	D
Poster Session			E	E	
Elmer Gaden Award Lecture				A	
Emerging Topics in Protein Engineering				D	D
Biophysical & Biomolecular Processes					P
Ralph F. Hirschmann Award in Peptide Chemistry: Honoring David J. Craik* (BIOL)		A			
Alfred Bader Award in Bioinorganic or Bioorganic Chemistry: Honoring Stephen B. H. Kent* (BIOL)		P			
Ronald Breslow Award for Achievement in Biomimetic Chemistry: Honoring Kevan M. Shokat* (BIOL)			A		
ACS Chemical Biology Lecture: Honoring Stuart L. Schreiber* (BIOL)			P		
ACS Award for Encouraging Disadvantaged Students into Careers in the Chemical Sciences: Honoring Wilfredo Colon* (BIOL)				P	

Division of Biological Chemistry

BIOL

J. Bollinger, D. McCafferty, Program Chairs

Anaheim Marriott	S	M	Tu	W	Th
Biochemistry 50th Anniversary Symposium	D				
Ralph F. Hirschmann Award in Peptide Chemistry: Honoring David J. Craik**		A			
Alfred Bader Award in Bioinorganic or Bioorganic Chemistry: Honoring Stephen B. H. Kent**		P			

Division of Biological Chemistry (continued)

BIOL

J. Bollinger, D. McCafferty, Program Chairs

Anaheim Marriott	S	M	Tu	W	Th
Breakthroughs in Biochemistry		P			
Sci-Mix		E			
Ronald Breslow Award for Achievement in Biomimetic Chemistry: Honoring Kevan M. Shokat**			A		
ACS Chemical Biology Lecture: Honoring Stuart L. Schreiber**			P		
New Biochemical Methods & Insights			E		
Molecular BioSystems Award Lecture: Honoring M. Madan Babu				A	
ACS Award for Encouraging Disadvantaged Students into Careers in the Chemical Sciences: Honoring Wilfredo Colon**				P	
Infrared Spectroscopy of Gas & Condensed Phase Biomolecules* (PHYS)	D	D	P		
Membrane Protein Structure & Function* (PHYS)	D	D	P		
Carbohydrate-Based Immunotherapeutics* (CARB)				P	D

Division of Business Development & Management

BMGT

D. Daly, Program Chair

Disney's Paradise Pier	S	M	Tu	W	Th
Business Development in the Natural Resource Sector		A			
ACS Award in Industrial Chemistry: Honoring John Lowe III		P			
Water: The Ultimate Natural Resource			D		
Aging: A Trend & An Opportunity for ACS* (PROF)	P				
Chemistry & the Environment Film Series* (CEI)	E				
Issues Affecting Chemical Consultants & Small Business Owners: An Underwriter's Perspective on Professional Liability* (SCHB)				P	

PROGRAM SUMMARY

Division of Carbohydrate Chemistry

C A R B

T. Lowary, Program Chair

Hilton Anaheim	S	M	Tu	W	Th
Claude S. Hudson Award in Carbohydrate Chemistry: Honoring Richard R. Schmidt**	D				
General Papers		A	A	A	A
Click Chemistry Approaches in Carbohydrate Chemistry		D			
Carbohydrate-Based Materials: Polymers, Nanoparticles, Dendrimers & Hydrogels for Biomedical Applications		P			
Sci-Mix		E			
Carbohydrate-Based Materials: Polymers, Nanoparticles, Surfaces, Dendrimers & Hydrogels			D		
Recent Developments in Characterizing Carbohydrate Structure & Dynamics**			P	D	
Carbohydrate-Based Immunotherapeutics**				P	D
General Posters				E	

Division of Catalysis Science & Technology (probationary)

C A T L

B. Zhou, Program Chair

Anaheim Marriott	S	M	Tu	W	Th
Gabor A. Somorjai Award for Creative Research in Catalysis: Honoring Harold Kung**		D	D		
Sci-Mix		E			
Frontier Energy Research				D	D

Division of Cellulose & Renewable Materials

C E L L

S. Murphy, Program Chair

Hilton Anaheim	S	M	Tu	W	Th
Composites from Natural Resources	D	D	D	A	
Fibers & Natural Resources Nanotechnology**	D	D	D		
Anselme Payen Award Symposium: Polysaccharides for Sustainable Chemistry	D	D	D		
Functional Materials from Natural Resources	D	D	D		
CELL Poster Session	E				
Sci-Mix		E			
Cellulose Biogenesis & Nanostructure				D	D

Division of Cellulose & Renewable Materials (continued)

C E L L

S. Murphy, Program Chair

Hilton Anaheim	S	M	Tu	W	Th
Direct Cellulose Conversion to Chemicals & Fuels				D	A
New Lignin-Based Materials				D	
Lignin as a Chemical Feedstock					D
Frontiers in Biomass Fractionation					P
Biobased Monomers, Polymers & Materials* (POLY)	P	D	D	D	A
POLY/PMSE Poster Session* (POLY)		D	D		
Characterizing Carbohydrate Structure & Dynamics* (CARB)			P	D	

Division of Chemical Education

C H E D

I. Levy, G. Bodner, M. Orgill, Program Chairs

Disney's Grand Californian Hotel	S	M	Tu	W	Th
Applications of Visualization Techniques in the Classroom	A				
Chemistry Education Research: Presentation & Discussion of Graduate Student Research	A				
NMR Spectroscopy in the Undergraduate Curriculum	A				
High-School Program	D				
75 Years of the Committee on Professional Training: It's Not Just About Approval	P				
Peer-Reviewed Chemical Education Research	P				
General Posters	E				
Diversity in Chemistry: Research, Programs & Interventions**		A			
Online Resources for Chemical Education		D	A		
Research in Chemical Education		D			
Unleashing Electrochemistry's Potential: Resistance Is Futile**		D			
Undergraduate Poster Session**		P			
Ethics of Publishing**		P			
Sci-Mix		E			
Successful Student Chapter Posters		E			
ACS Award for Achievement in Research for the Teaching & Learning of Chemistry: Honoring David F. Treagust			A		
K-12/College Partnerships To Improve Chemistry Instruction			D		

**Division of Chemical Education
(continued)**
CHED
I. Levy, G. Bodner, M. Orgill, Program Chairs

Disney's Grand Californian Hotel	S	M	Tu	W	Th
Process-Oriented Guided Inquiry Learning (POGIL)			D		
George C. Pimentel Award in Chemical Education: Honoring William R. Robinson			P		
Meaningful Learning from Laboratory Work: Evidence & Assessment			P		
NSF-Catalyzed Innovations in the Undergraduate Curriculum				A	
Chemistry Misconceptions Research				D	
General Papers				D	D
International Initiatives in the Study of Chemistry				D	
From Scribbles to Symbols: Development of Representational Competence				P	
Advances in Teaching Organic Chemistry					D
Using Visualizations & Representations to Teach & Learn Chemistry					D
ACS Award for Encouraging Women into Careers in the Chemical Sciences: Honoring Mamie W. Moy* (WCC)	P				
Chemistry & the Environment Film Series* (CEI)	E				
Globalizing Education: Graduate School Opportunities in North America & Europe* (YCC)		A			
Undergraduates Collaborating for the Future* (I&EC)		D	A		
New Perspectives & Approaches to Teaching Water Chemistry* (ENVR)			A		
What's In a Name? Histories of Units & Constants* (HIST)			A		

Division of Chemical Health & Safety
CHAS
D. Decker, Program Chair

Anaheim Convention Center	S	M	Tu	W	Th
New & Emerging National & International Safety Standards**	P				
Ask Dr. Safety: About Reproductive Hazards**	P				
What Does a Good Safety Program Look Like?*	P				
Sci-Mix**		E			
Prudent Practices in the Laboratory: The New Edition Arrives!*			A		
Program Improvements Following Laboratory Incidents**			P		

Division of Chemical Information
CINF
R. Bienstock, Program Chair

Anaheim Convention Center	S	M	Tu	W	Th
50 Years of Computers in Organic Chemistry: Honoring James B. Hendrickson**	D				
Integration of Combinatorial Chemistry with Cheminformatics: Drug Discovery & Material Science	P				
CINF Scholarship for Scientific Excellence**	E				
Open Data**		A			
Natural Products & Drug Discovery: Cheminformatics & Computational Chemistry		D			
Data Archiving, E-Science & Primary Data	P				
Sci-Mix		E			
Internet & Chemistry: Social Networking**			D	D	
General Papers				A	

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PROGRAM SUMMARY

Division of Chemistry & the Law **CHAL**

J. Hasford, K. Bianco, Program Chairs

Anaheim Convention Center	S	M	Tu	W	Th
Strengthening Your Patent Rights in Light of Recent Federal Circuit Court Decisions	A				
From the Lab to the Patent Office to the Marketplace: Ownership & Commercialization of Inventions	P				
Trends in Chemical & Pharmaceutical Patent Law		A			
Starting Your Small/Mid-Size Chemical Business		P			
Sci-Mix		E			
What Can Patent Information Do For Scientists?			A		
False Convictions & Bad Pharmacology: Danger of the Drug Recognition			P		
IP Strategies for Chemical Innovations on the Edge			P		
Future of Chemistry within California's Regulatory System**				A	
What's "Natural" About Natural Resources: Implications for Your Intellectual Property				P	
The Many Faces of CHAL: Where Chemistry Meets the Law					D
Recognizing & Preventing a Hostile Work Environment* (WCC)		A			

Division of Colloid & Surface Chemistry **COLL**

J. Texter, Program Chair

Disney's Grand Californian Hotel	S	M	Tu	W	Th
Biomembrane Mechanics & Dynamics	D	D	A	D	D
Hydrophobic Surfaces in Nature: Forces, Nanobubbles & Wetting	D	D			
Dynamics in Colloidal Dispersions	D	D	A		
Nanoparticle-Biological Cell Interactions	D	D			
Nanoparticles & Nanostructured Materials for Energy Applications	D	D	A	D	D
Probing Cellular & Subcellular Function via Surface Chemistry for Biomedical Applications	D				
Nanoscale Materials for Conversion of Biorenewables to Commodity Chemicals & Fuels		D			
Fundamental Research in Colloid & Surface Science		E			
Symposium in Memory of Bob Good			A		

Division of Colloid & Surface Chemistry (continued) **COLL**

J. Texter, Program Chair

Disney's Grand Californian Hotel	S	M	Tu	W	Th
ACS Award in Colloid & Surface Chemistry: Honoring Dennis Prievé			D		
Reactivity, Transformations & Detection of Natural & Engineering Nanomaterials in the Environment				D	D
Molecular Processes at Oxide Surfaces				D	D
Theory & Modeling of the Individual & Collective Properties of Nanoparticles				D	D
Chemical Reactions & Dynamics at Surfaces* (PHYS)	D	A	P	D	A
Membrane Protein Structure & Function* (PHYS)	D	D	P		

Division of Computers in Chemistry **COMP**

E. Esposito, J. Madura, M. Feig, M. Landon, Program Chairs

Anaheim Convention Center	S	M	Tu	W	Th
ACS Award for Computers in Chemical & Pharmaceutical Research Award: Honoring Thom Dunning**	D		D		
Drug Discovery	D	P	P	D	
Materials	D			D	
Molecular Mechanics**	D	A	A	D	A
Mixing Quantum & Molecular Mechanics. My Mother Warned Me Never To Do This...**		A			
Challenges in Industrial Computational Methods**		D	D		
Docking & Scoring: Docking Programs		D	D		
Quantum Chemistry		P		D	A
Sci-Mix		E			
Chemical Computing Group Excellence Award**			E		
Hewlett-Packard Outstanding Junior Faculty Award**			E		
Poster Session			E		
A Tall Cool Session of Water					A
Fragment & Local Orbital Methods in Electronic Structure Theory* (PHYS)	D	D		D	A
Pioneers of Quantum Chemistry* (HIST)		D			
Quantum Information & Computation in Chemistry: Experiment & Theory* (PHYS)		P	P	D	A

Division of Environmental Chemistry

ENVR

S. Al-Abed, Program Chair

Sheraton Park Hotel At The Anaheim Resort	S	M	Tu	W	Th
Analytical Methods for Detecting Contaminants of Emerging Concern in the Natural & Built Environment	D	D		E	
New Energy Technology	D	A		E	
Environmental & Geochemical Aspects of Sustainable Water Reuse**		D		E	
Sci-Mix		E			
Occurrence, Detection & Removal of Pharmaceutical & Personal Care Products in Drinking Water			A	E	
Biomass for Sustainable Energy, Contaminant Sorption & Carbon Sequestration			A	E	
New Perspectives & Approaches to Teaching Water Chemistry**			A		
It Is All In the Water			P	E	
Pharmaceutical & Personal Care Products in Wastewater, Groundwater & Other Sources of Water Supply**			P	DE	
ACS Creative Advances in Environmental Science & Technology: Honoring Francois Morel			P		
Advancement in Science & Technology of Recycling Printed Products				A	
Measurements & Methods in Environmental Nanotechnology				DE	
Quantifying & Characterizing Nanomaterials in the Environment				E	D
General Posters				E	
Microbial Fuel/Electrolysis Cells				E	D
Role of Dispersants, Wetting Agents & Otherwise Surface-Active Agents in the Environmental Fate of Compounds				E	A
Fibers & Natural Resources Nanotechnology* (CELL)	D	D	D		
Chemistry & the Environment Film Series* (CEI)	E				
Unleashing Electrochemistry's Potential: Resistance Is Futile* (CHED)			D		
Undergraduate Poster Session* (CHED)		P			
Innovative Problem Solving in Industry: Trends & Emerging Practices* (ANYL)			P		

Division of Fuel Chemistry

FUEL

V. Subramani, Program Chair

Anaheim Marriott	S	M	Tu	W	Th
Solar Energy Conversion for Fuels & Energy Production**	A				
Ultraclean Fuels Production & Utilization for Sustainable Transportation**	D	D			
Fuels, Chemicals, Materials & Energy from Coal, Biomass, Natural Gas & Other Natural Resources**	D	D	A		
Gas Hydrates, Clathrates & Alternative Energy Sources: Production & Processing Chemistry	D	A			
CO ₂ Capture, Sequestration, Conversion & Utilization**	D	D	D	D	
Solar Energy Conversion & Utilization for Fuels & Energy Production**		D	D	D	A
Spectroscopic Techniques To Elucidate Reaction Mechanisms & Structure-Activity Relationships in Fuel Science**		P			
Advances in Fuel & Energy Technologies		E			
Nanomaterials & Nanotechnology in Fuels & Energy Production			D	A	
Spectroscopic Techniques To Elucidate Reaction Mechanisms**			D	D	
Role of Catalysis in Fuel Cells			P	D	
Advances in Analytical Characterization of Hydrocarbon Resources				P	
Renewable Platform Chemicals & New Chemical Building Blocks* (PETR)	D				
Acid/Base & Zeolite Catalysis* (PETR)		D	D		
Poster Session* (PETR)		P			
Temporal Analysis of Products (TAP) Studies for Sustainability, Energy & the Environment* (PETR)		P	D		
Fuels of the Future* (PETR)				A	
8th International Symposium on Heavy Oil Upgrading, Production & Characterization* (PETR)				D	
Chemistry of Nuclear Fuels in Energy Production* (NUCL)				P	
Chemistry of Petroleum & Emerging Technologies* (PETR)				P	A
Advances in Membrane Reactors* (PETR)					A

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Division of Geochemistry

G E O C

J. Brandes, Program Chair

Sheraton Park Hotel At The Anaheim Resort	S	M	Tu	W	Th
General Geochemistry Papers	A				
Geochemistry of Scarce, Technologically Important Metals	P				
Roles of Geochemistry in Natural, Bio- & Nuclear Fuel Issues		A			
General Geochemistry Posters		P			
Frontiers in Computational Geochemistry			A		
Geochemistry Division Awards: Honoring Jack Tossell			P		
Geochemical Implications in Toxic Trace Metal Remobilization from Sediments to the Surrounding Aqueous Environment				D	
Environmental & Geochemical Aspects of Sustainable Water Reuse* (ENVR)		D		E	
Undergraduate Poster Session* (CHED)		P			
New Perspectives & Approaches to Teaching Water Chemistry* (ENVR)			A		

Division of the History of Chemistry

H I S T

S. Rasmussen, Program Chair

Disney's Paradise Pier	S	M	Tu	W	Th
General Papers	P		P		
Pioneers of Quantum Chemistry**		D			
Sci-Mix		E			
What's In a Name? Histories of Units & Constants**			A		

Division of Industrial & Engineering Chemistry

I & E C

J. Ciszewski, Program Chair

Anaheim Marriott/Disney's Grand Californian Hotel	S	M	Tu	W	Th
9th Symposium on Nanotechnology & the Environment: Green Nanotechnology**	D	D			
E. V. Murphree Award in Industrial & Engineering Chemistry: Honoring Norman N. Li	D	D	D		
Symposium in Honor of Arvind Varma, I&EC Division Fellow		A			
General Posters		A			

Division of Industrial & Engineering Chemistry (continued)

I & E C

J. Ciszewski, Program Chair

Anaheim Marriott/Disney's Grand Californian Hotel	S	M	Tu	W	Th
ACS Award in Separation Science & Technology: Honoring Robin D. Rogers		D	D		
Undergraduates Collaborating for the Future**		D	A		
Sci-Mix		E			
Advances in Process Intensification**			D	D	
General Papers					A
Innovative Problem Solving in Industry: Trends & Emerging Practices* (ANYL)			P		

Division of Inorganic Chemistry

I N O R

M. Millar, N. Radu, Program Chairs

Anaheim Convention Center	S	M	Tu	W	Th
Bioinorganic Chemistry	AE				A
Nanoscience	AE		PE	D	D
ACS Award for Distinguished Service in the Advancement of Inorganic Chemistry: Honoring Charles P. Casey**	D	P			
ACS Award in Inorganic Chemistry: Honoring Robert J. Cava**	D	P	A		
ACS Award in Organometallic Chemistry: Honoring Peter T. Wolczanski**	D	P	A		
Charles Lathrop Parsons Award: Honoring Michael E. Strem**	D				
Coordination Chemistry	DE		E	D	A
Heme Modification, Transport & Regulation	DE	P			
Undergraduate Research at the Frontiers of Inorganic Chemistry	DE	P	A		
Chemistry of Materials	PE		PE	A	D
Organometallic Chemistry	PE		DE	D	D
ACS Award for Research at an Undergraduate Institution: Honoring Gregory J. Grant**	E		D		
F. Albert Cotton Award in Synthetic Inorganic Chemistry: Honoring Alan L. Balch**	E	P	D		
Late Transition Metal Chemistry	E				P
ACS National Awards in Inorganic Chemistry: Plenary Session		A			
Magnetic Spectroscopic Approaches to the Study of Metals in Biology		P	DE	D	
Main Group Chemistry		P	E		A

**Division of Inorganic Chemistry
(continued)**
INOR
M. Millar, N. Radu, Program Chairs

Anaheim Convention Center	S	M	Tu	W	Th
Nobel Laureate Signature Award for Graduate Education in Chemistry: Honoring Pingwu Du & Richard Eisenberg**		P			
Sci-Mix		E			
Early Transition Metal Chemistry			A		
National Fresenius Award: Honoring Melanie S. Sanford**			A		
Recent Advances in Structural Main Group & Organometallic Chemistry			P	D	
ACS Award in Chemistry of Materials: Honoring Debra R. Rolison**			P	D	
Inorganic Catalysts			PE	P	
Electrochemistry			E	A	
Environmental Aspects of Inorganic Chemistry			E		P
Inorganic Spectroscopy			E		A
Lanthanide & Actinide Chemistry				A	A
9th Symposium on Nanotechnology & the Environment: Green Nanotechnology* (I&EC)	D	D			
Undergraduate Poster Session* (CHED)		P			

Division of Medicinal Chemistry
MEDI
J. Zablocki, Program Chair

Anaheim Convention Center	S	M	Tu	W	Th
Recent Advances in Pain Therapeutics	A				
General Oral Session**	D		A		A
First-Time Disclosure of Clinical Candidate**	P				
General Poster Session	E				
MEDI Awards Symposium		A			
Targeting the Ubiquitylation System		A			
EFMC: Drug-Target Residence Time		P			
Strategies & SAR of Influx & Efflux Transporters & their Impacts on Pharmacokinetics		P			
Sci-Mix		E			
Natural Products & NP Analogs as Leads & Future Drugs			D		
Academic Drug Discovery Centers			P		
Revisiting Lipinski's Rules (or, Bending the Rule of 5)				A	
Kinase Inhibitors, The Next Wave					D

**Division of Medicinal Chemistry
(continued)**
MEDI
J. Zablocki, Program Chair

Anaheim Convention Center	S	M	Tu	W	Th
Avoiding the hERG Trap: Solubilization Strategies Beyond the Basic Amine				P	
General Poster Session & Social with ORGN				E	
Bile Acid Receptor Modulators					A
Claude S. Hudson Award in Carbohydrate Chemistry: Honoring Richard R. Schmidt* (CARB)	D				
Ralph F. Hirschmann Award in Peptide Chemistry: Honoring David J. Craik* (BIOL)		A			
Undergraduate Poster Session* (CHED)		P			
Alfred Bader Award in Bioinorganic or Bioorganic Chemistry: Honoring Stephen B. H. Kent* (BIOL)		P			
Ronald Breslow Award for Achievement in Biomimetic Chemistry: Honoring Kevan M. Shokat* (BIOL)			A		
ACS Chemical Biology Lecture: Honoring Stuart L. Schreiber* (BIOL)			P		

Division of Nuclear Chemistry & Technology
NUCL
M. Bronikowski, Program Chair

Anaheim Marriott	S	M	Tu	W	Th
Glenn T. Seaborg Award for Nuclear Chemistry: Honoring David J. Morrissey	D		A	A	
Francis P. Garvan-John M. Olin Medal: Honoring Sherry Yennello**		D			
Actinide Materials: Complexity, Nanostructural & Extreme Environments		P	A	A	A
Recent Developments & Future Perspectives for Heavy Element Chemistry			P		
Chemistry of Nuclear Fuels in Energy Production**				P	

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PROGRAM SUMMARY

Division of Organic Chemistry

ORGN

A. Abdel-Magid, R. Gawley, Program Chairs

Anaheim Convention Center	S	M	Tu	W	Th
George A. Olah Award in Hydrocarbon or Petroleum Chemistry: Honoring Lawrence T. Scott	A				
Metal-Mediated Reactions & Syntheses	D	D			
New Reactions & Methodology	D	D	D		
Total Synthesis of Complex Molecules	D	D			
Catalytic & Biomimetic Chemistry	D				
James Flack Norris Award in Physical Organic Chemistry: Honoring Weston T. Borden	P				
Chemistry of Natural Resources; Biologically Related Molecules & Processes; New Reactions & Methodology	E				
Herbert C. Brown Award for Creative Research in Synthetic Methods: Honoring Akira Suzuki		A			
Ernest Guenther Award in the Chemistry of Natural Products: Honoring Robert M. Williams		A			
Elias J. Corey Award for Outstanding Original Contribution in Organic Synthesis by a Young Investigator: Honoring Jeffrey W. Bode		P			
ACS Award for Creative Research & Applications of Iodine Chemistry: Honoring Viktor V. Zhdankin		P			
Sci-Mix		E			
Nakanishi Prize Award: Honoring C. Dale Poulter			A		
Asymmetric Reactions & Syntheses			D	P	
Biologically Related Molecules & Processes			D	A	
Material, Devices & Switches			D		
A Celebration of International Organic Chemistry			D		
ACS Award for Creative Work in Synthetic Organic Chemistry: Honoring David W. C. MacMillan			P		
Material, Devices & Switches; Molecular Recognition & Self-Assembly; Heterocycles & Aromatics; Physical Organic Chemistry			E		
Multivalent Agents in Drug Design				A	
ACS Award in Pure Chemistry: Honoring Melanie S. Sanford**				A	
Molecular Recognition & Self-Assembly				D	

Division of Organic Chemistry (continued)

ORGN

A. Abdel-Magid, R. Gawley, Program Chairs

Anaheim Convention Center	S	M	Tu	W	Th
Physical Organic Chemistry: Calculations, Mechanisms, Photochemistry & High-Energy Species					D
Heterocycles & Aromatics					D
Peptides, Proteins & Amino Acids					P
Earle B. Barnes Award for Leadership in Chemical Research Management: Honoring Uma Chowdhry**					P
Asymmetric Reactions & Syntheses; Metal-Mediated Reactions & Syntheses; Total Synthesis of Complex Molecules					E
Claude S. Hudson Award in Carbohydrate Chemistry: Honoring Richard R. Schmidt* (CARB)	D				
50 Years of Computers in Organic Chemistry: Honoring James B. Hendrickson* (CINF)	D				
Ralph F. Hirschmann Award in Peptide Chemistry: Honoring David J. Craik* (BIOL)		A			
Alfred Bader Award in Bioinorganic or Bioorganic Chemistry: Honoring Stephen B. H. Kent* (BIOL)		P			
Undergraduate Poster Session* (CHED)		P			
Ronald Breslow Award for Achievement in Biomimetic Chemistry: Honoring Kevan M. Shokat* (BIOL)				A	
ACS Chemical Biology Lecture: Honoring Stuart L. Schreiber* (BIOL)				P	
Carbohydrate-Based Immunotherapeutics* (CARB)					P D

Division of Petroleum Chemistry

PETR

T. Gardner, Program Chair

Anaheim Marriott	S	M	Tu	W	Th
ACS Award for Creative Invention: Honoring Jeffery Bricker	D	A			
Renewable Platform Chemicals & New Chemical Building Blocks**	D				
Acid/Base & Zeolite Catalysis**		D	D		
Poster Session**		P			

Division of Petroleum Chemistry **PETR** (continued)

T. Gardner, Program Chair

Anaheim Marriott	S	M	Tu	W	Th
Temporal Analysis of Products (TAP) Studies for Sustainability, Energy & the Environment**		P	D		
Fuels of the Future**				A	
8th International Symposium on Heavy Oil Upgrading, Production & Characterization**				D	
Chemistry of Petroleum & Emerging Technologies**				P	A
Advances in Membrane Reactors**					A
Gabor A. Somorjai Award for Creative Research in Catalysis: Honoring Harold Kung* (CATL ⁺)		D	D		

Division of Physical Chemistry **PHYS**

S. Hammes-Schiffer, Program Chair

Anaheim Convention Center	S	M	Tu	W	Th
20 Years of Tunneling Pathways	D	D		DE	A
Chemical Reactions & Dynamics at Surfaces**	D	A	P	DE	A
Fragment & Local Orbital Methods in Electronic Structure Theory**	D	D		DE	A
Infrared Spectroscopy of Gas & Condensed Phase Biomolecules**	D	D	P	E	
Membrane Protein Structure & Function**	D	D	P	E	
Ahmed Zewail Prize in Molecular Sciences		P			
Quantum Information & Computation in Chemistry: Experiment & Theory**		P	P	DE	A
Sci-Mix		E			
PHYS Awards Symposium**			A		
Chemical Carbon Mitigation: A Physiochemical Approach			P	D	A
Poster Session				E	
ACS Award for Computers in Chemical & Pharmaceutical Research Award: Honoring Thom Dunning* (COMP)	D		D		
Molecular Mechanics* (COMP)	P		A		A
Mixing Quantum & Molecular Mechanics. My Mother Warned Me Never To Do This...* (COMP)		A			
Pioneers of Quantum Chemistry* (HIST)		D			
Undergraduate Poster Session* (CHED)		P			

Division of Polymer Chemistry **POLY**

K. Kiick, G. Tew, J. Linhardt, Program Chairs

Hilton Anaheim	S	M	Tu	W	Th
Design, Synthesis & Characterization of Polymers	A			D	A
New Synthetic Developments in Polyolefins & Metathesis Based Materials**	D	D			
Polymers for Molecular & Biomolecular Recognition	D	P	A		
Undergraduate Research in Polymer Science	D				
POLY/PMSE Poster Session**	D	D	D	D	
Biobased Monomers, Polymers & Materials**	P	D	D	D	A
ACS Award for Affordable Green Chemistry: Honoring Richard P. Wool	A				
Excellence in Graduate Polymer Research**	D				
ACS Award in Polymer Chemistry: Honoring Klaus Mullen**	D				
Sci-Mix		E			
Nanoscience in Polymer Chemistry			D		
Polymers for Energy Storage & Delivery**			D	D	
Carl S. Marvel Creative Polymer Chemistry Award: Honoring Marc Hillmyer			D		
Aerogels, Foams & other Nanoporous Materials			P	D	A
Symposium in Memory of Robert W. Lenz				D	
POLY/PMSE Plenary Lecture & Awards Reception**				P	
Bio-Inspired Self-Assembly of Macromolecules* (PMSE)	D	D			
Ralph F. Hirschmann Award in Peptide Chemistry: Honoring David J. Craik* (BIOL)		A			
Undergraduate Poster Session* (CHED)		P			
Alfred Bader Award in Bioinorganic or Bioorganic Chemistry: Honoring Stephen B. H. Kent* (BIOL)		P			

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⁺Probationary division.

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PROGRAM SUMMARY

Division of Polymeric Materials: Science & Engineering

PMSE

A. Nelson, C. Stafford, J. Pyun, Program Chairs

Hilton Anaheim	S	M	Tu	W	Th
ACS Award in Applied Polymer Science: Honoring Krzysztof Matyjaszewski	D				
Bio-Inspired Self-Assembly of Macromolecules**	D	D			
Current & Emerging Applications of Polymer Nanofibers: Honoring H. Young Chung	D				
General Papers/New Concepts in Polymeric Materials	D	P		P	A
Joint PMSE/POLY Poster Session	D	D	D	D	
ACS Award in Chemistry of Materials: Honoring Robert D. Miller**		A			
Nanotechnology with Polymers: Honoring Albert F. Yee**		D	D		
Cooperative Research Award: Honoring Carl L. Willis & Timothy E. Long**		D			
Sci-Mix		E			
Self-Assembly & Processing of Polymers			D	D	
Physics & Theory of Novel Polymeric Systems			D	A	
Special Symposium in Honor of the Late Richard Farris			D		
Clay/Polymer Composites: From Nanoplates to Nanotubes**				D	A
Polymeric Composites: Synthesis, Characterization & Processing				D	A
ACS Award in Polymer Chemistry: Honoring Klaus Mullen* (POLY)		D			
Polymers for Energy Storage & Delivery* (POLY)			D	D	
POLY/PMSE Poster Session* (POLY)			P		
POLY/PMSE Plenary Lecture & Awards Reception* (POLY)				P	

Division of Professional Relations

PROF

R. Libby, Program Chair

Disney's Paradise Pier	S	M	Tu	W	Th
Aging: A Trend & An Opportunity for ACS**	P				
Chinese-American Chemical Society 30th Anniversary Symposium**		P			
Gay & Transgender Chemists: The Case for Visibility & Diversity Inclusion**			A		

Division of Professional Relations (continued)

PROF

R. Libby, Program Chair

Disney's Paradise Pier	S	M	Tu	W	Th
The Americans with Disabilities Act & Chemistry: Empowering & Enlightening Students, Teaching/Research Faculty & Nonacademic Professionals**			P		
Town Hall Forum & Poster Session**			E		
ACS Award for Encouraging Women into Careers in the Chemical Sciences: Honoring Mamie W. Moy* (WCC)	P				
Recognizing & Preventing a Hostile Work Environment* (WCC)		A			
Excellence in Graduate Polymer Research* (POLY)		D			
POLY/PMSE Poster Session* (POLY)		D			
True Stories of Success from Chemical Entrepreneurs* (SCHB)		P			
International Women in Science: Challenges & Triumphs* (WCC)		P			
Best Practices for Entrepreneurs Panel Discussion* (SCHB)		P			
Issues Affecting Chemical Consultants & Small Business Owners: An Underwriter's Perspective on Professional Liability* (SCHB)				P	
Making a Science Fellowship Part of Your Career Path* (SCHB)				P	
Financial Aspects of Starting, Maintaining & Exiting Your Business* (SCHB)					A

Division of Small Chemical Businesses

SCHB

J. Sabol, Program Chair

Disneyland Hotel	S	M	Tu	W	Th
Carbon Dioxide as a Natural Resource for Chemicals, Materials & Environmental Remediation		A			
True Stories of Success from Chemical Entrepreneurs**		P			
Best Practices for Entrepreneurs Panel Discussion**		P			
Sci-Mix		E			
Developing New Science-Based Companies Utilizing the Federal Small Business Innovative Research SBIR & Small Business Technology Transfer STTR Programs**			D	A	

Division of Small Chemical Businesses (continued)

SCHB

J. Sabol, Program Chair

Disneyland Hotel	S	M	Tu	W	Th
Issues Affecting Chemical Consultants & Small Business Owners: An Underwriter's Perspective on Professional Liability**				P	
Making a Science Fellowship Part of Your Career Path**				P	
Financial Aspects of Starting, Maintaining & Exiting Your Business**					A
Charles Lathrop Parsons Award: Honoring Michael E. Strem* (INOR)	D				
Aging: A Trend & An Opportunity for ACS* (PROF)	P				
Advantages of Working with a Diverse Workforce in Small Businesses* (CMA)		A			

Committee on Environmental Improvement

CEI

E. Warren, Program Chair

Anaheim Convention Center	S	M	Tu	W	Th
Sustainability Education Award Symposium	P				
Chemistry & the Environment Film Series**	E				

Committee on Minority Affairs

CMA

A. Aldridge, Program Chair

Disneyland Hotel	S	M	Tu	W	Th
Advantages of Working with a Diverse Workforce in Small Businesses**		A			
Diversity in Chemistry: Research, Programs & Interventions* (CHED)		A			

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Committee on Science

COMSCI

D. Nelson, Program Chair

Hilton Anaheim	S	M	Tu	W	Th
Hollywood Chemistry	P				
Nuclear Energy for Today & Tomorrow		P			
Community College Approaches to Renewable Energy			A		
Solar Power as an Alternative Energy Source			P		

International Activities Committee

IAC

J. Benham, Program Chair

Sheraton Park Hotel At The Anaheim Resort	S	M	Tu	W	Th
International Collaboration in the Chemical Sciences: Best Practices**		D			
Scientific Freedom & Human Rights in Chemistry & Related Sciences			A		
Professional Development* (SOCED)	A				
Globalizing Education: Graduate School Opportunities in North America & Europe* (YCC)		A			
International Women in Science: Challenges & Triumphs* (WCC)		P			

Society Committee on Education

SOCED

M. Carroll, Program Chair

Disneyland Hotel/Disney's Paradise Pier	S	M	Tu	W	Th
Careers in Chemistry: Panel Discussion	A				
Professional Development**	A				
Making Demos Matter	P				
Chemistry of the Oil Spill		A			
Eminent Scientist Lecture: David Phillips		P			
Globalizing Education: Graduate School Opportunities in North America & Europe* (YCC)		A			
Undergraduates Collaborating for the Future* (I&EC)		D	A		
Excellence in Graduate Polymer Research* (POLY)		D			
POLY/PMSE Poster Session* (POLY)		D			
Undergraduate Poster Session* (CHED)		P			

PROGRAM SUMMARY

Women Chemists Committee

W C C

A. Charlebois, J. Iriarte-Gross, A. Hinkle, Program Chairs

Anaheim Marriott	S	M	Tu	W	Th
ACS Award for Encouraging Women into Careers in the Chemical Sciences: Honoring Mamie W. Moy**	P				
Recognizing & Preventing a Hostile Work Environment**		A			
International Women in Science: Challenges & Triumphs**		P			
Francis P. Garvan-John M. Olin Medal: Honoring Sherry Yennello* (NUCL)		A			
Undergraduates Collaborating for the Future* (I&EC)		D	A		
Physical Chemistry Awards Symposium* (PHYS)			A		
National Fresenius Award: Honoring Melanie S. Sanford* (INOR)			A		
ACS Award in Chemistry of Materials: Honoring Debra R. Rolison* (INOR)			P	D	
ACS Award in Pure Chemistry: Honoring Melanie S. Sanford* (ORGN)				A	
Earle B. Barnes Award for Leadership in Chemical Research Management: Honoring Uma Chowdhry* (ORGN)				P	

Younger Chemists Committee

Y C C

S. Pazicni, Program Chair

Sheraton Park Hotel At The Anaheim Resort	S	M	Tu	W	Th
Starting a Successful Research Program at a Predominantly Undergraduate Institution	P				
Globalizing Education: Graduate School Opportunities in North America & Europe**		A			
Undergraduates Collaborating for the Future* (I&EC)		D	A		
Excellence in Graduate Polymer Research* (POLY)		D			
POLY/PMSE Poster Session* (POLY)		D			
Sci-Mix* (CHAS)		E			
Internet & Chemistry: Social Networking* (CINF)			D	D	
Innovative Problem Solving in Industry: Trends & Emerging Practices* (ANYL)			P		
Issues Affecting Chemical Consultants & Small Business Owners: An Underwriter's Perspective on Professional Liability* (SCHB)				P	
Making a Science Fellowship Part of Your Career Path* (SCHB)				P	

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