Oral Sessions: A = AM, P = PM, D = Day (AM & PM), E = Evening | Poster Sessions: TA = AM, TE = Evening						
(1) Analytical						ANYL
Marriott Waikiki Beach	Tue	Wed	Thu	Fri	Sat	Sun
Analytical General Posters		TA				
New Tools and Methodologies for the Characterization of Biomolecular Interactions (#15)	D	D	P	TA		
Development and Applications of Techniques for Electrochemical Analysis (#24)			D	D	TA	
Current Issues in Teaching Analytical Chemistry (#38)		D	TA			
Frontiers in Flow Injection Analysis and Related Techniques (#45)	D	D	TA			
Supercritical Fluid Chromatography (SFC) for Analysis and Purification (#53)			D TE			
Advances in Analytical Ion Mobility Separations (#61)	D	D	TA			
On-site and In-vivo Instrumentation and Applications (#88)			D TE			
Direct and Mediated Bioelectrocatalysis for Biosensors and Energy Conversion Applications (#89)				D	A TE	
Comprehensive Multidimensional Separations (#90)					P	A
Immunoanalysis: Applications and Trends for Environmental Monitoring and Human Health (#94)	D	D	TA			
Novel Analytical Probes for In Vivo Optical Functional Imaging (#115)				P	D TE	A
Micro- and Nano-fabricated Analytical Devices for Chemical, Biochemical and Biomedical Platforms (#129)	D	DE	AE	TA		
Marine and Freshwater Toxins: Detection, Structure, and Pharmacology (#138)					D TE	A
Innovation in Chemical Sensing and Separation Systems toward Advanced Chemical Analysis (#159)	D	TA				
Fundamentals and Applications of Atomic Spectrometry (#160)		D TE	D			
Optical Waveguide Techniques for the Analyses of Materials and Interfaces (#164)				D TE	A	
Paper-Based Analytical Devices for Point of Need Measurements (#213)					P TE	A
Symposium on Petroleomics: Molecular Level Understanding of Petroleum for Environmental Science and Petroleum Engineering (#247)	D	TA				
Laser Ionization Mass Spectrometry (#274)				D		
Ultrasensitive Assays for Proteins and Protein Modifications (#287)			DE	E TA		
Advanced Analytical Applications and Technical Developments of Soft X-Ray Spectroscopy (#303)				P TE	D	
Advances in FTIR Microspectroscopy: 3D Tomography to Nanoscale Imaging (#315)			D TE			
Magnetoanalytical Science: Separation, Characterization and Imaging (#320)	D	A TE				
Harmonized Strategy of New UHPLC Implementation in Pharmaceutical R & D and CRO/CMO QC Laboratories (#353)				A		
Vibrational Spectroscopy: New Developments and Applications in Biological and Medical Sciences (#375)				D TE		
Analytical Laser-Induced Breakdown Spectroscopy (LIBS) for Hazards Analysis, Forensics, and Health (#379)					P TE	A
Bacterial Identification by Mass Spectrometry (#389)					A TE	
Advances in Analytical Techniques for Effective Food Allergen Management (#394)					P TE	A
Advances in Terahertz Spectroscopy and Imaging (#413)				D TE		
(Bio-)Chemical / Electrochemical Sensors and Sensing Materials (#417)		P TA	D			
Plasmonic Materials for Chemical Analysis (#450)		P TA	D			
Organized Surfactant Assemblies in Chemical Analysis and Separation Science: Fifty Years Later (#457)					D TE	A

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(2) Inorganic						INOR
Hilton Hawaiian Village	Tue	Wed	Thu	Fri	Sat	Sun
Inorganic General Posters				TA		
Organo-Main Group Avenues toward Advanced Materials (#16)	D	D	TA			
Fundamentals and Applications of Solvent Extraction in the Recovery of Strategic Metals (#17)	D	D				
Experimental and Theoretical Actinide Chemistry: From Fundamental Systems to Practical Applications (#42)				DE	D TE	A
Metal-Organic Frameworks: Synthesis, Properties and Applications (#50)				E	D TE	A
From Pnictides to Perovskites: Impact of Local Structure in Solid State Chemistry (#62)				PE	D TE	A
Lewis Acid/Base Pair Chemistry in Molecular Transformations, Catalysis and Energy Storage (#65)	D	D TE				
Functional Nanomaterials Based on Coordination Chemistry (#73)			D TE	A		
Molecular Catalysis of Water Splitting Reactions (#76)	D	D	TA			
Accessing the Full Potential of Redox-Active Ligands: Reactivity and Applications (#87)					D TE	A
Recent Discoveries in the Chemistry of Bismuth and Related Elements: the Green Alternative (#93)				D	A	
Coordination and Supramolecular Chemistry for Aqueous Metal Ion Separations (#97)			D TE	D		
Frontiers of Molecular Magnetism (#109)			D TE	D		
Frontiers of Organo-f-element Chemistry (#125)	D	D	TA			
Electron Transfer and Electrochemistry of Inorganic and Organometallic Materials (#126)			P TA	D		
Chemistry and Application of Boron Clusters (#152)				TE	DE	A
Current Trends and Interconnectivities Among Fundamental and Applied Inorganic Fluorine Chemistry (#156)				P TE	D	A
Non-covalent Interactions in Coordination Systems (#161)	D	D	TA			
Activation and Transformation of Small Molecules Mediated by Early Transition Metal Complexes (#170)			DE	D TE		
Innovative Approaches in Bond-Cleavage and Bond-Forming Reactions at Late Transition-Metal Centres (#186)	D	D	TA			
Transition Metal Complexes of N-Heterocyclic and Mesoionic Carbenes: Structure, Materials and Catalytic Applications. (#195)			D TE	A		
Advances in Phosphorus Chemistry: Materials, Reactivity at Phosphorus, and Synthesis (#226)					D TE	A
The Expanding Periodic Table: New Discoveries and Chemistry of the Heaviest Elements (#234)					D TE	A
Photofunctional Chemistry Based on Metal Complexes and/or Supramolecules (#239)			P TE	D		
Nuclear Probes in Nanoscale Characterization (#254)		DE	TA			
Advances in the Medicinal Applications of N-Heterocyclic Carbene Metal Complexes and Azolium Cations (#255)					D TE	
Inorganic Complexes for Solar Energy Harvesting (#256)			P	D	TA	
Metal-containing π-Conjugated Systems: Syntheses, Properties, Applications (#269)		D	TA			
Metal Mediated Polymerization (#292)			D	D	TA	
S-block Metal Chemistry (#304)					D TE	A
Novel Heme Proteins and Model Systems (#305)			D TE	A		
Metal Coordination Sphere Design for Challenging Bond Transformations (#318)			DE	D	P TA	

Dioxygen Activation Chemistry of Metalloenzymes and Models (#339)		D TE	A			
New Frontiers in Bioinorganic Chemistry (#356)	D	D	TA			
Isotope Production--Providing Important Materials for Research and Applications (#363)		D TE	A			
The Bio-Coordination Chemistry of Nitric Oxide and Its Derivatives: Mechanisms of NOx Generation, Signaling and Reduction in Biological Systems (#371)				TE	DE	A
Dynamic Aspects of Solid Materials: From Equilibrium to Non-equilibrium Systems (#376)	D	TA				
Activation of Small Molecules by Electropositive Metals Related to Chemical Energy Conversion (#380)					D TE	A
New Directions for Sensing Metals in Biology (#424)					D TE	A
Telomeres and other G-quadruplex Structures as Targets for Metallodrugs (#459)			D	TA		

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(3) Macromolecular						MACR
Hawaii Convention Center	Tue	Wed	Thu	Fri	Sat	Sun
Macromolecular General Posters		TA				
NMR Spectroscopy of Polymers and Biobased Materials (#12)		E TA	DE	DE	A	
Synthetic Biopolymers (#37)	D	A TE				
New Perspectives of Synthetic and Biological Soft Matter (#57)			D TE	DE		
Dynamic, Reversible, and Self-healing Materials (#64)					P TE	A
Polymer Gels as Advanced Soft Materials (#83)	D	DE	TA			
Radical Polymerization Kinetics and Process Modeling (#92)					D	A
New Frontiers in Polymer Crystallization (#96)				PE TA	D	A
Simulation of Polymers (#110)	D	TA				
Controlled Macromolecular and Supramolecular Architectures for Sustainability (#112)	D	D	TA			
Current Polyurethane Science (#133)					D TE	A
Monomer Sequence Control: Using Nature's Strategy to Create 21st Century Polymers (#158)			DE	D TE		
Characterization of Polymers and Polymer Assemblies in Solution (#172)	D	A TE				
Polymer Interfaces: Design, Structure, Physical Properties and Applications (#194)		P	D TE	A		
Macromolecular Self-Assembly for Smart Biomaterials (#196)				P TE	D	A
Functional Materials Based on Organic-inorganic Hybrid Polymers (#221)	D	D	TA			
Cyclic and Topological Polymers (#248)				P TE	D	A
Advanced Membrane Separations (#262)				TE	DE	A
Polymers from Renewable Sources and Sustainable Polymer Synthesis (#281)	D	D TE				
Fusion Materials: Functional Self-Organized Materials Consisting of Fused Organic and Inorganic Components (#294)				P TE	DE	A
Sustainable Conversion of Lignin to Value-Added Products and Green Chemicals (#319)	D	D TE				
Polymers for Energy and Optoelectronic Devices (#361)	D	D TE				
Polymer Materials Performance, Degradation and Optimization (#369)			D	A TE		
New Perspectives of Bioplastics for Environmental Benign Materials (#396)			D TE	A		
Advances in Precision Polymer Synthesis Using Reversible Deactivation Radical Polymerization (#401)			D TE	A		
Aggregation Induced Emission: Materials and Applications (#444)			DE	D	P TA	A

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(4) Organic						ORGN
Hilton Hawaiian Village	Tue	Wed	Thu	Fri	Sat	Sun
Organic General Posters		TA				
Reactive Intermediates and Unusual Molecules (#7)		DE	A TE			
Designed pi-Electronic Systems: Synthesis, Properties, Theory and Function (#25)			P	D TE	D	
Prospects for Flow Chemistry (#29)	D	D TE				
Anion Receptors (#31)				P TE	D	A
Chemistry of Nanocarbons: Fullerenes, Carbon Nanotubes, Nanographenes and Related Materials (#41)		P TE	DE	A		
Natural Product-based Drug Discovery (#66)			D	D TE	D	
Molecular and Supramolecular Photochemistry (#71)	D	DE	TA			
Innovative Strategies for the Synthesis of Nitrogen Heterocycles (#74)	D	D TE				
Molecular Containers (#99)			D	A TE		
Organoboron Chemistry: Applications in Organic Synthesis, Biology, and Materials (#100)		P TE	D	D		
Electrochemical Reactions and Mechanisms in Organic Chemistry (#104)			D TE			
Recent Trends in Organocatalysis (#122)			DE	DE	TA	
Organic Reactions in Aqueous Media (#131)				D TE		
Practical Application of Basic Research on Molecular Recognition (#136)		D TE				
New Green Techniques for Medicinal Chemistry (#148)					D TE	A
Applications of C-H Functionalization (#169)				DE	D TE	A
Strategies and Tactics for Complex Molecule Synthesis (#174)				DE	D TE	A
Homogeneous Gold Catalysis: Methods, Theories and Applications (#192)	D	A TE	A			
Molecular Function of Natural Products: Advances towards Chemical Biology (#237)	D	DE	TA			
The Science and Strategy of Pharmaceutical Process Chemistry: Adapting to Global Regulatory Development Guidance on Process Impurities (#242)			D TE			
Molecular Self-Assembly and Functional Organic Nanostructures (#263)			D TE			
Cooperative Cocatalysis with Two Different Metals (#270)					D TE	A
Molecular Probes and Fluorophores for Biological Imaging (#280)			D TE	A		
Frontiers of Chirality in Organic Chemistry (#286)	D	DE	TA			
Supramolecular Chemistry at the Interface of Materials, Biology, and Medicine (#300)	D	A TE				
Chemical Glycosylation: Methods and Mechanisms (#306)				P	D TE	A
Fluorinations and Fluoroalkylations (#310)		P TE	D			
Nanomaterials as Catalysts for Green Chemistry (#313)	D	A TE				
Mechanochemistry and Solvent-free Synthesis (#322)	D	TA				
Carbenes and Carbenoids in Organic Synthesis (#362)	D	TA				
Organic Solid-State Chemistry: Structure, Property & Reactivity (#398)		P TE	D	A		
Cognizance of Endangered Elements for Organic Synthesis (#415)	D	A TE				
New Horizon of Process Chemistry by Scalable Reactions and Technologies (#426)				P	D TE	
New Organosulfur Chemistry (#436)			DE	A TE		
Photoredox Catalysis in Organic Synthesis (#440)		D TE				
Asymmetric Supramolecular Catalysis (#451)					D TE	
Catalytic Multicomponent, Tandem and Cascade Reactions (#455)		D TE				
Synthetic Modulators of Protein-Protein Interactions (#461)				P	D TE	A

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(5) Physical, Theoretical & Computational						PHYS
Hawaii Convention Center	Tue	Wed	Thu	Fri	Sat	Sun
Physical, Theoretical & Computational General Posters				TA		
Synergistic Relationships between Computational Chemistry and Experiment (#9)			E TA	DE	DE	A
Coarse Grained Modeling and its Integration with Experiments (#30)				P	D	
Ultrafast Intense Laser Chemistry (#35)	D	D TE				
Modeling and Analyzing Exciton and Charge Dynamics in Molecules and Clusters (#44)			D TE	D		
Chemistry of Atmospheric Aerosols (#56)			TE	DE	DE	A
Multiscale Couplings of Molecular Theory of Solvation: Fundamentals and Applications (#60)	D	AE	TA			
Advances in Quantum Monte Carlo (#80)				D TE	D	A
New Insights from Quantum Dynamics and ab initio Potentials in High Dimensional Systems (#84)	D	D TE				
Conformational Dynamics of Biomolecules and the Biomolecule-Solvent Interface (#98)					D TE	A
Deciphering Molecular Complexity from Single Molecules to Cellular Networks (#121)	D	D				
Recent Advances in Dynamics of Confined Liquids (#123)				P TE	DE	A
Computational Modeling of d- and f-Block Chemistry: Challenges and Opportunities (#130)	D	D TE				
Chemical Imaging: Frontiers of Spatio-Temporal Resolution (#134)	D	D TE				
Recent Progress in Molecular Theory for Excited-state Electronic Structure and Dynamics (#142)	D	DE	E TA			
Self-organization in Chemistry (#165)			D TE	D		
Frontiers of Metal Clusters and Nanostructures: From Fundamental Properties to Functionalities (#168)	D	D TE				
Challenges in Plasmonic Photochemistry (#176)				P TE	D	A
Theory of Main Group Chemistry Beyond First Row (#183)	D	TA				
Challenges and Opportunities for Exascale Computational Chemistry (#184)				P	D	A
Latest Development of Advanced Vibrational Spectroscopy (#187)	D	D TE				
Recent Progress in Matrix Isolated Species (#199)			DE	A TE		
Metal Ions and Protein Functions: Theoretical Models and Applications (#202)			DE	D TE		
Quantum Fluid Clusters (#203)					DE	A
Single-molecule Fluorescence Imaging (#208)		DE	D TE			
Molecular Perspectives on Interfacial Electrochemistry and Electrocatalysis (#218)				PE TA	DE	A
Fundamental Science of Photon and Electron Induced Surface Processes (#228)		PE	DE	A		
Interplay between Theory and Experiment in Catalytic Research (#277)		DE	D	TA		
Quantum Coherence in Energy Transfer (#297)				D	D	A
Dynamical Intermolecular Interactions for Biological Functions (#307)				P TE	DE	A
Science with Beams of Radioactive Isotopes (#340)			D	A		
Photocatalysis and Charge Transfer at Interfaces and Nanomaterials (#344)		TE	DE	AE		
Dissociation of Biomolecules in the Gas Phase for Structural Characterization (#352)					D	A
Applications of Coherent Multidimensional Spectroscopy to Chemistry, Biology, and Materials (#370)		D TE	D			
Practical Strategies for Modeling Non-Covalent Interactions (#372)			D TE	A		
Advances in Quantum Dynamics from Spectroscopy to Reactions (#384)					D TE	A

Interfacial Phenomena for Bubbles, Droplets, Films and Soft Matter (#403)			D	D TE	A	
Frontier Chemical Applications Using Accelerator Based Photon Sources (#414)	D	TA				
Reactive Intermediates in Combustion and Atmospheric Chemistry (#419)			E	DE	D TE	A
Frontiers of Photon Upconversion Based on Triplet-triplet Annihilation (#420)	D	TA				
Computational Modeling of Magnetic Materials and Magnetic Properties (#423)	D					
Frontiers of Plasmon Enhanced Spectroscopy (#428)	D	DE	TA			
Recent Experimental and Theoretical Advances in Studies of Liquid Interfaces (#437)				P	D TE	A
Developments in Spectroscopic Investigation of Intermolecular Interactions and Dynamics of Molecular Clusters (#438)	D	DE	E TA			
Interplay between Chemistry and Dynamics in Biomolecular Machines (#441)		DE	TA			
Structure and Spectroscopy of Linear Polyenes: Finite and Infinite (#456)			D TE	A		

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(6) Agrochemistry, Environmental, and Geochemistry						ENVR
Hilton Waikiki Beach	Tue	Wed	Thu	Fri	Sat	Sun
Agrochemistry, Environmental, and Geochemistry General Posters		TA				
Ferrites and Ferrates: Chemistry and Applications in Sustainable Energy and Environmental Remediation (#13)		D TE	D			
Chemicals of Emerging Environmental Concern: A Global Perspective (#19)			DE	D TE		
Pectin Chemistry and Technology (#20)				P	D	A
Human Exposure to Environmental Contaminants (#26)					D TE	A
Recycling of Polymeric Materials: Challenges and Perspectives (#36)					D TE	A
Analysis of Flavors in Specialty Asian Foods (#58)			D TE			
Advanced Products from Lignin and Micro- or Nano-fibrillated Cellulose (#70)			P	D	TA	
Application of Mass Spectrometry to Agrochemical Challenges (#72)	D	TA				
Nanointerfaces and their Role in Environmental Systems and Processes (#86)	D	D TE				
Sustainable Chemistry: Beyond the Bench (#103)	D	A TE				
Chemical Ecology Applied to Sustainable Agriculture (#105)				P TE	D	
Chemistry and Biology of Auxin, Strigolactone and their Interactions (#107)		D TE				
UV Photochemistry for Water: Implications for Safe Water Disinfection and Oxidation Treatment Applications (#204)	D	DE	TA			
Enzymes Essential to Biosphere Health: Bioremediation and Biogeochemical Cycling (#219)					P TA	A
Fate and Risks of Nanoparticles in Aquatic and Terrestrial Environments (#220)				P TE	A	
Complex Mineral Growth and Dissolution Reactions: Collaborative Experimental and Computational Perspectives (#225)			D TE			
Proteomics and Metabolomics in Agricultural, Environmental, and Public Health Sciences (#264)				D TE		
Genomics and Metabolomics for Phytochemical Research (#267)	D	TA				
Opportunities and Advancements in Rice Research and Aquaculture Research (#282)			A TE			
Analytical Development Relevant to Environmental Exposure and Effects (#288)				D TE		
Advances in Functional Foods and Flavor Chemistry Research (#329)			DE	D TE		
Environment and Gene Interaction (#336)		D				
Phytochemicals for Crop Protection: Discovery to Molecular Target (#358)	D	TA				
Fukushima and Radiological Contaminated Environments World-wide: The Important Role of Environmental Chemistry and Radiochemistry in Remediation and Restoration (#374)		D		TE		
Radioactive Contaminants and Waste Management in the Environment (#390)				D TE		
Sources, Fates and Risks from Consumer Product Ingredients in the Environment (#391)	D	TA				
Food Processing: Chemistry, Quality, Safety, Sustainability, and Value-added By-products (#400)	D	D TE				
Status and Trends of Persistent Organic Chemicals in the Environment (#402)			D TE			
Chemistry of Integrated Water Treatment Systems for Halogenated Organics and Long-lived Radionuclides (#454)					D TE	

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(7) Biological						ACRONYM
Sheraton Waikiki & Royal Hawaiian (*)	Tue	Wed	Thu	Fri	Sat	Sun
Biological General Posters				TA		
Advances in Peptide and Protein Chemistry (#6)			P	D TE	DE	A
Functional Nucleic Acids: Chemistry, Biology, and Materials Applications (#10)				AE	D TE	A
New Platforms for Natural Products Discovery (#18) (*)		E	D TE	D		
Biosynthesis of Natural Products (#27)				PE TA	DE	A
Homeostasis of Transition Metal Ions in Biological Systems (#47)					D TE	A
Characterization and Applications of Food Enzymes (#59)			D TE			
Heat Shock Proteins: The Next Target in the Disease Frontier (#91)				D TE		
Low-Energy Photoexcited States in Photosynthesis (#117)	D	D				
Advances in Biological Solid-State NMR (#120) (*)	D	DE	TA			
Life at Small Copy Numbers (#137)					D TE	A
Frontiers in Chromatin Biology and Chemical Epigenetics/Epigenomics (#151)		D TE	DE	A		
Fluorescent and Luminescent Proteins: New Chemistries and New Functions (#180)	D	TA				
Biomolecular Structure and Dynamics: Recent Advances in NMR (#181) (*)			DE	DE	TA	
Strategies for Coupling and Decoupling Diverse Molecular Units in the Glycosciences (#201)		D	A			
Enzyme Engineering and Biocatalysis Applications (#222) (*)		P	D TE	A		
Bioorganic Reaction Mechanisms (#224) (*)				PE TA	D	A
Physiology and Metabolism of Extremophiles (#249)		D TE				
Bio/chemical Approaches for Single Cell Biosensing Technologies (#257)				D TE		
Frontiers of Iron Chemistry in Biology (#268) (*)	D	A TE				
Function, Chemistry, and Signaling of Glycolipids and Phospholipids (#273) (*)					D TE	A
Chemical Approaches to Astrobiology (#326)	D	TA				
Carbohydrate Recognition in Health and Disease (#342)		D	D TE			
Bioorthogonal Chemistry: Tools and Applications in Chemical Biology (#343)			D TE	D		
Chemistry and Applications of Retinal Proteins: From Microbes to Humans (#395)				DE	A TE	
Luciferin/Luciferase Engineering (#410)		D TE				
Small Molecule Interactions in Biomembranes (#418)			D TE			
Chemical Biology of Protein-Lipid Modification (#421)	D	TA				
The RNA World: From Prebiotic Chemistry to the Emergence of Complexity (#449)		D TE				

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(8) Materials & Nanoscience						MTLS
Hawaii Convention Center	Tue	Wed	Thu	Fri	Sat	Sun
Materials & Nanoscience General Posters					TA	
Organic, Inorganic and Hybrid Nanoparticles: Synthesis, Characterization, and Applications (#23)			P TA	DE	DE	A
Nanocrystal Synthesis, Characterization, Assembly and Applications (#34)	D	E	E TA	P		
Chemistry and Applications of Graphene (#39)			P	D TE	D	A
Conjugated Polymers for Biological Applications (#43)	D	A TE				
Nanowires: Synthesis, Fundamental Properties and Novel Device Applications (#51)			D TE	A		
Metal-oxo Clusters: Molecular Design from Monomers to Infinity (#79)			E	PE TA	DE	A
Two-dimensional Nanosheets and Nanosheet-Based Materials: Synthesis, Characterization, Functionalization and Applications (#95)		P	D TE	A		
Luminescent Nanomaterials: Properties, Mechanisms, and Applications (#101)				P TA	D	A
Molecular Adsorption on Metallic Interfaces: Beyond the Cartoons (#102)	D	A TE				
Design, Synthesis and Applications of Advanced Porous Materials (#111)	D	D TE				
Development of Nano Devices and Nanotechnologies for Environmental Monitoring and Remediation (#124)					D TE	
Frontier and Perspectives in Molecular Spintronics (#127)	D	D TE				
Functional Molecular Materials and Devices (#128)				DE	D TE	A
Applications of Ultrasound to Nanoscience (#150)		P	D TE	A		
Mechanically Responsive Materials (#153)		DE	TA			
Specific Effect(s) in Chemical Reactions by Innovative Technologies (#157)	D	D TE				
Electrochemistry on Boron-doped Diamond (BDD) Electrodes (#162)	D	TA				
Natural to Nanosphere Lithographies: Two Decades of Self-assembled Advanced Materials (#177)		A TE				
Current and Future Applications of Nanotechnology in the Oil Industry (#197)			D			
Janus Materials: Design, Fabrication and Properties (#210)				D TE		
Frontiers of Organic Porous Materials: Structures, Properties and Applications (#223)	D	D TE	A			
Carbon Nanotubes: Preparation, Characterization and Applications (#227)			TE	DE	DE	A
Advances in Bioinspired and Biomedical Materials (#245)				PE TA	DE	A
Self-organization of Membrane Systems (#259)			D TE	A		
Nanomaterials for Nanomedicine (#289)	D	D TE				
Challenge for Rare Element-free Functional Materials (#291)					D TE	A
Advanced Materials for Photonics and Electronics: Fundamentals and Applications (#308)		D TE	D	A		
Nitroxide Radicals: Synthesis and Functional Bio-/Nanomaterials (#309)				P TE	D	A
Data Mining and Machine Learning Meets Experiment and First-Principles Simulation for Materials Discovery (#314)	P	D TE				
Membranes and Nanotechnologies for Energy and Environment Applications (#317)			D TE	D		
Ceramic Materials and Processing for Advanced Applications (#341)			D TE	A		
Supramolecular Assemblies at Surfaces: Nanopatterning, Functionality, Reactivity (#346)				D TE	DE	A
The Physical Structure, Function of Biological and Bioinspired Soft Matter (#347)	D	A TE				
Fundamentals and Applications of Nanomaterials for Energy Technologies (#348)				P TE	D	A
Multi-scale & Synergistic Supramolecular Systems in Material and Biomedical Sciences (#357)				P TA	D	A
Materials for the Mitigation of Chemical Hazards (#388)		TA	D	A		

Design of Innovative Photochromic Applications (#399)			D TE	A		
Safety and Sustainability of Nanotechnology (#404)	D	D TE				
Single-Molecule Function and Measurements (#408)	D	DE	TA			
Advances in Organic Light-Emitting Diodes (#409)		D	D TE			
The Frontiers of Geometrically Frustrated Magnetic Materials (#430)		E	DE			
Synthesis, Structure and Functionalities of Ferroelectrics and Multiferroics (#432)				PE TA	DE	A
Self-assembled Biofunctional Nanomaterials (#433)	D	DE	PE TA			
Application of Luminescent Materials for Radiation Detection (#442)			P	TE		
Self-organization: Novel Mesogens and Applications (#447)					D TE	A

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(9) Chemistry of Clean Energy Conversion, Storage, and Production						ENRG
Hyatt Regency Waikiki	Tue	Wed	Thu	Fri	Sat	Sun
Chemistry of Clean Energy Conversion, Storage, and Production General Posters		TA				
Chemistry of Automotive Emission Control Catalysis: Current R&D and Future Challenges (#21)	D	TA				
Integrated Biomass Refinery by Precisely Designed Heterogeneous Catalysts (#54)					D TE	A
Nano Catalysis for Clean Energy and Environmentally Friendly Chemical Production (#81)	D	DE	E TA	E	E	
Progress Toward a Lignocellulosic Biorefinery (#144)	D	A TE				
Theory and Computation for Efficient Utilization of Energy and Resources (#163)		P	D TE	A		
Nanostructured Oxides for Energy Harvesting and Water Splitting (#171)				P TE	D	A
Dynamical Processes of Light Harvesting Surfaces (#178)	D	A	TA			
Water-phase Catalysis for Energy and Chemicals Production (#182)	D	A TE				
Current Status and Future Prospect of Polymer Electrolyte Fuel Cells (#188)		P TE	DE	A		
Artificial Photosynthesis: Photo-induced Water Splitting (#193)					D TE	A
Energy Storage in Chemical Bonds: Advances in Chemistry and Materials for Hydrogen Storage (#216)			D	D TE		
New Generation of Electrochemical Energy Storage and Conversion System: Materials, Interface and In-situ Techniques (#250)		P	P TA	D		
Nanoporous Materials for Renewable Energy and Sustainability (#266)				P TE	D	A
Artificial Photosynthesis: Reduction of Carbon Dioxide (#271)	D	A TE				
Artificial Photosynthesis: Bio-inspired Chemistry for Solar Fuel Production (#278)		P TA	A			
Homogeneous Catalysis Methodologies for the Upgrading of Biomass Derived Molecules (#301)		P	D			
Advances in Microwave Green Chemistry (#360)				D TE	A	
Challenges in Second Generation Biofuels: Processing, Stability, and Usage (#378)			D TE			
Bridging Homogeneous and Heterogeneous Catalysis in Biorefining of Lignin (#405)					P	A
Global Strategies for Algal Biomass for Bioenergy and Biorefinery (#407)				D	D TE	

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(10) Bench to Bedside: Chemistry of Health Care						HLTH
Sheraton Waikiki & Royal Hawaiian (*)	Tue	Wed	Thu	Fri	Sat	Sun
Bench to Bedside: Chemistry of Health Care General Posters				TA		
Oligonucleotide Therapeutics: From Base Pairs to Bedsides (#8)	D	A	TA			
Chemistry for Development of Theranostic Radiopharmaceuticals (#11)		D	A			
De Novo Drug Design (#28)				D		
Advances in Polymers for Medicine (#52)			D TE	D		
Academic Drug Discovery (#69)				P TA	D	A
Fragment-based Lead Discovery (#145)	D	DE	TA			
Small Molecule Epigenetic Modulators (#146)					P TA	A
In Vivo Chemical Strategies for Functional and Translation Studies of Biological Networks and Pathways (#212)					D TE	A
Chemistry of Molecular Imaging (#215)			P TA	D		
New Antibacterial Agents (#236)		P TA	D			
Nutraceuticals and Functional Food Ingredients: Chemistry and Health (#285)			D	D TE		
Molecular Design in Medicine: Concept to Commerce (#295)					D TE	A
Non-canonical Approaches to 18F-labeling: New Frontiers in Stable Non-carbon-fluorine Bonds (#337)					D	
Drug Conjugates: Approaches to Delivering Active Drugs to Where they are Needed (#385)		P TA	A			
Cancer-Targeted Delivery of Therapeutics and Diagnostics (#393) (*)					D TE	A
Spectroscopic Tools for the Treatment of Cancer (#397) (*)	D	DE TA				
Recent Advances in Microfluidics for Radiochemical Synthesis (#416)	D					

Oral Sessions: A = AM, P = PM, D = Day (AM & PM), E = Evening | Poster Sessions: TA = AM, TE = Evening						
(11) Connecting Chemistry to Society						SCTY
Hawaii Convention Center	Tue	Wed	Thu	Fri	Sat	Sun
Connecting Chemistry to Society General Posters				TA		
Connecting Ionic Liquids to Societal Issues: Materials, Medicines, Energy, and Water (#113)				PE TA	D	A
Technology and Assessment Strategies for Improving Student Learning in Chemistry (#132)				D TE	D	
Educational Approaches to Help Students Connect Chemistry to World Issues of Sustainability and Climate (#149)					A	A
The Evolving Nature of Scholarly Communication: Connecting Scholars with Each Other and with Society (#173)	D	D TE				
Effective Collaboration Strategies to Drive Innovation in Drug Discovery and Development (#179)		P				
Small Businesses Reaching Out for Market Share: Tool Kit and Success Stories (#185)				D		
Historical Evolution of the Chemical Community in the Countries of the Pacific Rim (#198)					P	A
Bioactive Natural Products and Public Health in the Pacific Rim: From Aquatic Dietary Supplements to Marine and Freshwater Toxins (#230)	D	TA				
Green and Sustainable Chemistry Education for Tomorrow's Citizens of the World (#334)			D TE	A		
Policies and Procedures Regarding Primary Research Data (#335)			A			
Chemistry Education: International and Multicultural Perspectives (#365)	D	A TE				
Women in Chemistry: Changing the Face of Science (#382)		D	D			
Advancing Sustainability: Catalyzing Interdisciplinary Scholarship for Green Chemistry (#383)					D	
Active and Inquiry Learning in the Chemistry Classroom and Laboratory (#443)			DE	TA		
University-Industry Collaboration, Regulatory Environments, and Commercialization of Emerging Technology (#453)		A				
Safety in the Academic Research Laboratory (#460)	D	TA				