

Topic Area	Symposium Title (Symposium #)	TUE Dec 15	WED Dec 16	THU Dec 17	FRI Dec 18	SAT Dec 19	SUN Dec 20	Location	Poster Session
Analytical	Laser-Induced Breakdown Spectroscopy (LIBS) for the Benefit of the Global Community (#1)				P	A		Waikiki Beach Marriott Resort & Spa	FRI Evening
Analytical	Stable isotope labeling of biomolecules and use in structural, biochemical and biophysical studies (#2)		PE	A				Waikiki Beach Marriott Resort & Spa	THU Evening
Analytical	Analytical Advances and Applications of Mass Spectrometry based Lipidomics (#3)			DE				Waikiki Beach Marriott Resort & Spa	FRI AM
Analytical	On-site and In-vivo Instrumentation and Applications (#4)				D			Waikiki Beach Marriott Resort & Spa	FRI Evening
Analytical	New Horizons in Plasma-based Atomic and Molecular Spectrometry (#5)					DE	A	Waikiki Beach Marriott Resort & Spa	FRI Evening
Analytical	Innovation in Chemical Sensing and Separation Systems toward Advanced Chemical Analysis (#6)	D						Waikiki Beach Marriott Resort & Spa	WED AM
Analytical	Advances in Cannabis and Hemp Analysis (#7)	D	A					Waikiki Beach Marriott Resort & Spa	WED Evening
Analytical	Uncertainty in Forensic Chemical Measurements (#8)					PE	A	Waikiki Beach Marriott Resort & Spa	SAT AM
Analytical	Electrochemistry in Nanoscale Devices (#9)				PE	D		Waikiki Beach Marriott Resort & Spa	SAT Evening
Analytical	Nanostructured Interfaces for Ultrasensitive Biosensing (#10)			DE	A			Waikiki Beach Marriott Resort & Spa	FRI Evening
Analytical	Analytical Frontiers in Mass Spectrometry Based Discovery (#11)		DE					Waikiki Beach Marriott Resort & Spa	THU AM
Analytical	Plasmonic materials for chemical analysis (#12)		D	A				Waikiki Beach Marriott Resort & Spa	THU Evening
Analytical	High performance separations: advanced materials, devices, detection, and applications (#13)		PE	D				Waikiki Beach Marriott Resort & Spa	THU Evening
Analytical	Supercritical Fluid Chromatography (SFC) for Analysis and Purification (#14)				DE			Waikiki Beach Marriott Resort & Spa	SAT AM
Analytical	Trace Element Speciation: The Next Analytical Challenges (#15)			DE	A			Waikiki Beach Marriott Resort & Spa	FRI Evening

Topic Area	Symposium Title (Symposium #)	TUE Dec 15	WED Dec 16	THU Dec 17	FRI Dec 18	SAT Dec 19	SUN Dec 20	Location	Poster Session
Analytical	New advances in microscale liquid phase separations: Theory, practice and progress (#16)		PE	D				Waikiki Beach Marriott Resort & Spa	THU Evening
Analytical	Innovations in Flow Injection Analysis and Related Techniques (#17)	D	D					Waikiki Beach Marriott Resort & Spa	WED Evening
Analytical	Structural Characterization of Biological Systems by Vibrational Spectroscopy (#18)		PE					Waikiki Beach Marriott Resort & Spa	WED AM
Analytical	Advances in Blood-Based Diagnostics (#19)			DE				Waikiki Beach Marriott Resort & Spa	THU AM
Analytical	The Vital Roles of Metals: Metallomics, Metallometabolomics, Metalloproteomics and Nanometallomics (#20)				PE	D	A	Waikiki Beach Marriott Resort & Spa	SAT Evening
Analytical	Development and Applications of Techniques for Electrochemical Analysis (#21)	D	D					Waikiki Beach Marriott Resort & Spa	WED Evening
Analytical	Porous Microfluidics for Point of Need Measurements (#22)	D	A					Waikiki Beach Marriott Resort & Spa	WED Evening
Analytical	Recent developments in the analysis of pesticide residues in foods: advances and challenges (#23)					P	A	Waikiki Beach Marriott Resort & Spa	SAT Evening
Analytical	Emerging micro- and nano- technologies for disease biomarker detection (#24)	D						Waikiki Beach Marriott Resort & Spa	WED AM
Analytical	Optical Tools for Material Analysis at Interfaces and Thin-Films (#25)	D	A					Waikiki Beach Marriott Resort & Spa	WED Evening
Analytical	Micro- and Nanofluidic Systems for Chemical and Biological Measurements (#26)				DE	D		Waikiki Beach Marriott Resort & Spa	SAT Evening
Analytical	Analytical Development Relevant to Environmental Exposure and Effects (#27)			D	A			Waikiki Beach Marriott Resort & Spa	THU Evening
Analytical	Ultrasensitive analysis of proteins and protein modifications (#28)				DE	A		Waikiki Beach Marriott Resort & Spa	SAT Evening
Analytical	Horizon of 2D correlation spectroscopy (#29)			PE				Waikiki Beach Marriott Resort & Spa	THU Evening
Analytical	Surface-enhanced Spectroscopy: From the Research Lab to Commercial Applications (#30)			PE	D			Waikiki Beach Marriott Resort & Spa	FRI Evening

Topic Area	Symposium Title (Symposium #)	TUE Dec 15	WED Dec 16	THU Dec 17	FRI Dec 18	SAT Dec 19	SUN Dec 20	Location	Poster Session
Analytical	Comprehensive Multidimensional Separations (#31)				DE			Waikiki Beach Marriott Resort & Spa	SAT AM
Analytical	Marine and Freshwater Toxins – Detection, Structure, and Pharmacology (#32)	D						Waikiki Beach Marriott Resort & Spa	WED AM
Analytical	Challenges in Vibrational Spectroscopy for Quantitative Chemical Analysis (#33)			A				Waikiki Beach Marriott Resort & Spa	THU Evening
Analytical	Analytical Developments and Applications of Mass Spectrometry Imaging (#34)	D						Waikiki Beach Marriott Resort & Spa	WED AM
Analytical	Novel applications of magnetic field and magnetic material related techniques in Analytical Sciences (#35)					DE		Waikiki Beach Marriott Resort & Spa	FRI AM
Analytical	Analytical Advances and Applications of X-Ray Spectroscopy (#36)					DE		Waikiki Beach Marriott Resort & Spa	FRI AM
Analytical	2D and 3D Nanomaterials for Optical Sensing (#37)				D			Waikiki Beach Marriott Resort & Spa	FRI Evening
Analytical	Next-Generation Cytometry: Technologies & Applications (#38)					DE	A	Waikiki Beach Marriott Resort & Spa	FRI AM
Analytical	Analytical Chemistry of Plastic Marine Debris (#39)		D					Waikiki Beach Marriott Resort & Spa	THU AM
Analytical	Opto-bioanalysis: Imaging and controlling biomolecules in live cells (#40)		DE					Waikiki Beach Marriott Resort & Spa	THU AM
Analytical	The Magic of Miniaturization: How Being Able to Probe Micro-Nanospace has Changed How We Do Science (#41)	D	A					Waikiki Beach Marriott Resort & Spa	WED Evening
Analytical	Traditional and Emerging Functional Materials/Assemblies for Chemical Analysis and Separation Science (#42)					DE	A	Waikiki Beach Marriott Resort & Spa	FRI AM
Artificial Intelligence, Big Data and Beyond	Big Data and Artificial Intelligence in Organic Synthesis (#43)				DE			Hawaii Convention Center	SAT AM
Artificial Intelligence, Big Data and Beyond	Automating Drug Design (#44)			D				Hawaii Convention Center	THU Evening
Artificial Intelligence, Big Data and Beyond	Chemistry on the Global Stage: Data, Standards, Infrastructure, and Challenges for the Future (#45)	D	DE					Hawaii Convention Center	THU AM

Topic Area	Symposium Title (Symposium #)	TUE Dec 15	WED Dec 16	THU Dec 17	FRI Dec 18	SAT Dec 19	SUN Dec 20	Location	Poster Session
Artificial Intelligence, Big Data and Beyond	“Self-driving material science”: Robots and Machine Learning in the Materials Discovery Lab (#46)					D	A	Hawaii Convention Center	SAT Evening
Artificial Intelligence, Big Data and Beyond	Recent Development of Data-driven Chemistry (#47)					P	A	Hawaii Convention Center	SAT Evening
Artificial Intelligence, Big Data and Beyond	Supercharging computational chemistry with AI (#48)	P	DE					Hawaii Convention Center	THU AM
Artificial Intelligence, Big Data and Beyond	Innovative Computational Chemistry Powered by Big Data and Machine Learning (#49)			D	D			Hawaii Convention Center	THU Evening
Biological	Functional Nucleic Acids: Chemistry, Biology, and Materials Applications (#50)	D	DE	A				Sheraton Waikiki	THU Evening
Biological	Biosynthesis of Natural Products (#51)		DE	D				The Royal Hawaiian, a Luxury Collection Resort, Waikiki	THU Evening
Biological	Pectin IV: Chemistry, Biology and Technology (#52)			D	D			Sheraton Waikiki	THU Evening
Biological	Single cell analyses and biosensing methodologies for elucidation of biological functions (#53)		DE					Sheraton Waikiki	THU AM
Biological	New Frontiers in Biological Mass Spectrometry (#54)			DE				Sheraton Waikiki	FRI AM
Biological	Bioorthogonal Chemistry: Tools and Applications in Chemical Biology (#55)	D	D					Sheraton Waikiki	THU AM
Biological	Advancing Frontiers in Peptide and Protein Science with Nano-to-Macro Molecular Solutions, New Technologies in Polyamide Synthesis and Applications (#56)			DE	D	D	A	Sheraton Waikiki	FRI Evening
Biological	Design and Screening of Oligonucleotide-Based Molecular Libraries (#57)	D	D					Sheraton Waikiki	THU AM
Biological	Chemical tools for imaging biology beyond the culture dish (#58)	D						Sheraton Waikiki	WED AM
Biological	Biomolecular Structure and Dynamics: Recent Advances in NMR (#59)	D	DE					The Royal Hawaiian, a Luxury Collection Resort, Waikiki	THU AM
Biological	Advances in biological solid-state NMR (#60)			DE	D			The Royal Hawaiian, a Luxury Collection Resort, Waikiki	FRI Evening

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Biological	Design of Functional Proteins, Peptides, and Peptidomimetics. (#61)					DE	A	Sheraton Waikiki	FRI AM
Biological	Chemical Biology of Lipids and Protein-Lipid Modifications (#62)					D		The Royal Hawaiian, a Luxury Collection Resort, Waikiki	SAT Evening
Biological	Strategies and Tactics for Targeting Protein-Protein Interactions (#63)			D	A			The Royal Hawaiian, a Luxury Collection Resort, Waikiki	THU Evening
Biological	New Era of Quantum Beam in Biology (#64)				DE	D		Sheraton Waikiki	SAT Evening
Biological	Chemical Approaches to Astrobiology (#65)					D		Sheraton Waikiki	SAT Evening
Biological	Biocatalysis and Enzyme Engineering (#66)	D	D					Sheraton Waikiki	THU AM
Biological	Solvation and Binding to Biomolecules (#67)	P	DE					Sheraton Waikiki	THU AM
Biological	Chemistry in Rhodopsins: Connecting the Retinal Chromophore Isomerization to Functional Diversity (#68)	P	DE					Sheraton Waikiki	THU AM
Biological	Antimicrobial peptides at the intersection of chemistry, biology & technology (#69)	D	D					Sheraton Waikiki	THU AM
Biological	Frontiers in Macromolecule Epigenetic Modifications: Chemical tools, Biochemical mechanisms, function annotation/modulation/perturbation (#70)	D	DE					Sheraton Waikiki	THU AM
Biological	Recent Advances in Glycomics and Glycoproteomics (#71)					D		Sheraton Waikiki	SAT Evening
Biological	Regulation of signal sensing and signal transduction with metal ions or metalloproteins (#72)				D			Sheraton Waikiki	THU Evening
Biological	Trans-scale Biochemical Analysis of Rare Events in Living Systems: Singularity Biology (#73)					DE		Sheraton Waikiki	FRI AM
Biological	Epigenetic Mechanisms and Advances in Chromatin Biology (#74)			D	DE			Sheraton Waikiki	THU Evening
Biological	RNA Structure and Function In Vivo (#75)					DE	A	Sheraton Waikiki	FRI AM

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Biological	Chemical Tools to Measure and Control Protein Misfolding (#76)					DE	A	Sheraton Waikiki	FRI AM
Biological	The Chemistry, Biology, and Drug-Targeting of G- and C-quadruplexes. (#77)			P	D			Sheraton Waikiki	THU Evening
Biological	RiPP natural products: Biosynthesis, function, and engineering (#78)	D						The Royal Hawaiian, a Luxury Collection Resort, Waikiki	WED AM
Biological	Chemical Communications through Natural and Synthetic Bioactive Compounds (#79)			D				Sheraton Waikiki	THU Evening
Biological	Directed Protein Evolution (#80)			D	D			Sheraton Waikiki	THU Evening
Biological	Life-like systems in compartments and beyond (#81)			D	A			Sheraton Waikiki	THU Evening
Biological	Chemical strategies for probing cellular events with subcellular resolution (#82)				D			Sheraton Waikiki	SAT AM
Biological	XFEL & Multidisciplinary Approaches: New Challenges in Metals in Structural Biology (#83)					D	A	The Royal Hawaiian, a Luxury Collection Resort, Waikiki	SAT Evening
Biological	The science of marine natural products: Towards understanding of the physiology and ecology of marine life (#84)				D	D		The Royal Hawaiian, a Luxury Collection Resort, Waikiki	FRI Evening
Biological	Frontiers in base editing technologies (#85)			D				Sheraton Waikiki	THU Evening
Biological	The Chemical Biology of Ubiquitination: Structures, Dynamics and Mechanisms (#86)	D	D					The Royal Hawaiian, a Luxury Collection Resort, Waikiki	THU AM
Chemical Education and Communication	Teaching with Technology - help or hindrance? (#87)					A		Moana Surfrider, A Westin Resort & Spa, Waikiki Beach	SAT Evening
Chemical Education and Communication	Let's Bring Joy and Meaning Back to Chemistry Learning (#88)	D						Moana Surfrider, A Westin Resort & Spa, Waikiki Beach	WED AM
Chemical Education and Communication	Chemists and the Public: The Role of Informal Science Education (#89)		DE					Moana Surfrider, A Westin Resort & Spa, Waikiki Beach	THU AM
Chemical Education and Communication	Explorations in Chemistry Education Research and Practice: International progress toward the development of students' understanding of particulate-level chemistry processes (#90)					P	A	Moana Surfrider, A Westin Resort & Spa, Waikiki Beach	SAT Evening

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Chemical Education and Communication	Chemistry for global challenges: A role for Systems Thinking in Chemistry Education (#91)		D					Moana Surfrider, A Westin Resort & Spa, Waikiki Beach	THU AM
Chemical Education and Communication	Chemical Business Best Practices for Global Challenges (#92)		PE	D				Moana Surfrider, A Westin Resort & Spa, Waikiki Beach	WED AM
Chemical Education and Communication	Hands across the Pacific: History of Collaborations and Exchange Programs between Countries of the Pacific Rim (#93)					DE		Moana Surfrider, A Westin Resort & Spa, Waikiki Beach	FRI Evening
Chemical Education and Communication	Assessment for employability in undergraduate chemistry education (#94)	D	A					Moana Surfrider, A Westin Resort & Spa, Waikiki Beach	THU AM
Chemical Education and Communication	Empowering Women in the Chemical Sciences & Engineering (#95)					DE	A	Moana Surfrider, A Westin Resort & Spa, Waikiki Beach	FRI Evening
Chemical Education and Communication	Ethics in the chemical profession: Cultural impacts (#96)				DE			Moana Surfrider, A Westin Resort & Spa, Waikiki Beach	SAT AM
Chemical Education and Communication	Communication Training in Chemistry Education (#97)	D						Moana Surfrider, A Westin Resort & Spa, Waikiki Beach	WED AM
Chemical Education and Communication	Self-efficacy and the affective domain - Strategies to enhance student learning within chemistry (#98)			D				Moana Surfrider, A Westin Resort & Spa, Waikiki Beach	THU Evening
Chemical Education and Communication	Multiculturalism in Chemistry Education (#99)				PE			Moana Surfrider, A Westin Resort & Spa, Waikiki Beach	SAT AM
Chemical Education and Communication	Supporting and assessing student learning using digital technologies (#100)				D			Moana Surfrider, A Westin Resort & Spa, Waikiki Beach	FRI Evening
Chemical Education and Communication	Research about Early Research: High Schoolers and Undergraduates in Research (#101)			D				Moana Surfrider, A Westin Resort & Spa, Waikiki Beach	THU Evening
Chemical, Biological and Biomedical Eng.	Smart biointerface between cells and materials (#102)					DE		Ala Moana Hotel	FRI Evening
Chemical, Biological and Biomedical Eng.	Caged Compounds (#103)			D	AE			Ala Moana Hotel	SAT AM
Chemical, Biological and Biomedical Eng.	Emerging technologies for multi-modal therapies and diagnosis (#104)	D	A					Ala Moana Hotel	THU AM
Chemical, Biological and Biomedical Eng.	Sonochemistry: Fundamentals & Applications (#105)	D	D					Ala Moana Hotel	THU AM

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Chemical, Biological and Biomedical Eng.	Peptide Self-Assembly: Chemistry and Nanotechnology (#106)	D	D					Ala Moana Hotel	THU AM
Chemical, Biological and Biomedical Eng.	Advanced Chemical Characterization and Modeling of Petroleum to Address Environmental and Industrial Challenges (#107)				DE			Ala Moana Hotel	SAT AM
Chemical, Biological and Biomedical Eng.	Bioassembly and Biointerface (#108)			D				Ala Moana Hotel	THU Evening
Chemical, Biological and Biomedical Eng.	3D Printing in Chemistry, Biology and Materials (#109)					D	A	Ala Moana Hotel	SAT Evening
Chemical, Biological and Biomedical Eng.	Materials Engineering with DNA (#110)	P	DE					Ala Moana Hotel	THU AM
Chemical, Biological and Biomedical Eng.	Recent advances in carbohydrate chemistry and chemical glycobiology (#111)	D	DE					Ala Moana Hotel	THU Evening
Chemical, Biological and Biomedical Eng.	Photoproteins: New chemical mechanisms and biological applications (#112)				D			Ala Moana Hotel	FRI Evening
Chemical, Biological and Biomedical Eng.	Challenges and Opportunities for Understanding Chemical Neurotransmission (#113)		P	D				Ala Moana Hotel	WED AM
Chemical, Biological and Biomedical Eng.	Bioinspired Materials and Architectures for Cell, Tissue, and Regenerative Engineering (#114)					D		Ala Moana Hotel	FRI Evening
Chemical, Biological and Biomedical Eng.	Extracellular Fine Particles: Chemistry, Biology, and Biomedical Applications (#115)			DE	D			Ala Moana Hotel	FRI Evening
Chemical, Biological and Biomedical Eng.	Functional π -conjugated Molecules for Biological Applications: Biosensors, Bioelectronics, and Bioimaging (#116)				D	A		Ala Moana Hotel	SAT Evening
Chemical, Biological and Biomedical Eng.	Non-canonical Approaches to Radiofluorination (#117)					PE		Ala Moana Hotel	FRI AM
Chemical, Biological and Biomedical Eng.	New Developments in Food Processing (#118)						A	Ala Moana Hotel	SAT AM
Chemical, Biological and Biomedical Eng.	Modulation of the immune system with chemistry and materials (#119)					P	A	Ala Moana Hotel	SAT Evening
Chemical, Biological and Biomedical Eng.	Clinical applications of vibrational spectroscopy (#120)			D				Ala Moana Hotel	THU Evening

Topic Area	Symposium Title (Symposium #)	TUE Dec 15	WED Dec 16	THU Dec 17	FRI Dec 18	SAT Dec 19	SUN Dec 20	Location	Poster Session
Chemistry for Sustainability	Innovations in Green Chemistry: Striving towards zero waste API manufacturing (#121)		DE					Hilton Waikiki Beach	THU AM
Chemistry for Sustainability	Porous Materials: Synthesis, Characterization, and Utilization (#122)					D	A	Hilton Waikiki Beach	SAT Evening
Chemistry for Sustainability	Catalytic addition and removal of hydrogen for upgrading oxidized bio-related and renewable compounds (#123)					DE	A	Hilton Waikiki Beach	FRI Evening
Chemistry for Sustainability	Bioelectrocatalysis for Sustainable Electrosynthesis and Wastewater Treatment (#124)	D	A					Hilton Waikiki Beach	WED Evening
Chemistry for Sustainability	Sustainable Production of Value-Added Materials, Green Chemicals and High-Energy Fuel from Lignocellulosic Biomass (#125)	D	D					Hilton Waikiki Beach	WED Evening
Chemistry for Sustainability	Pesticide Residues in Foods: Advancing global standards that facilitate trade and ensure consumer safety (#126)	D						Hilton Waikiki Beach	WED AM
Chemistry for Sustainability	New Directions in Homo/Heterogenous Catalysis of Hydrogen Production and CO2 Utilization (#127)	D						Hilton Waikiki Beach	WED AM
Chemistry for Sustainability	Advanced Nanocatalysis: Synthesis, Development and Applications for Environmentally Friendly Fuel and Chemical Production (#128)				DE	D		Hilton Waikiki Beach	SAT Evening
Chemistry for Sustainability	Polymer Materials from Natural Renewable Ingredients (#129)		DE	A				Hilton Waikiki Beach	THU Evening
Chemistry for Sustainability	Deciphering chemical signals and omics for sustainable pest management (#130)	D						Hilton Waikiki Beach	WED AM
Chemistry for Sustainability	Proteomics and metabolomics in agricultural, environmental, and public health sciences (#131)		D					Hilton Waikiki Beach	WED Evening
Chemistry for Sustainability	Catalysis in C1 Chemistry and CO2 Conversion (#132)				D			Hilton Waikiki Beach	FRI Evening
Chemistry for Sustainability	Mechanochemistry for clean and sustainable synthesis: advances and challenges (#133)					D	A	Hilton Waikiki Beach	SAT Evening
Chemistry for Sustainability	Biobased products for a more sustainable future (#134)			D				Hilton Waikiki Beach	THU Evening
Chemistry for Sustainability	Recycling of Polymeric Materials: Challenges and Perspectives (#135)	D						Hilton Waikiki Beach	WED AM

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Chemistry for Sustainability	Toward the chemistry of plant growth regulators (#136)			D				Hilton Waikiki Beach	THU Evening
Chemistry for Sustainability	Advances in Wine and Beer Chemistry (#137)			D				Hilton Waikiki Beach	THU Evening
Chemistry for Sustainability	Chemistry and the Rice Field Ecosystem (#138)					DE	A	Hilton Waikiki Beach	FRI Evening
Chemistry for Sustainability	Advances in Chemistry and Application of Aquatic Photochemistry and Advanced Oxidation Processes for Water Treatment and Reuse (#139)			DE				Hilton Waikiki Beach	FRI AM
Chemistry for Sustainability	Single-atom-based electro-/photo-catalysis in the development of promising water-splitting and CO2 reduction technologies (#140)		D					Hilton Waikiki Beach	WED Evening
Chemistry for Sustainability	Rodenticide Environmental Fate and Nontarget Effects (#141)					D	A	Hilton Waikiki Beach	SAT Evening
Chemistry for Sustainability	Artificial Photosynthesis: Photo-induced water splitting (#142)			DE				Hilton Waikiki Beach	FRI AM
Chemistry for Sustainability	New formulation and application technologies for pesticides in sustainable plant protection: From theory to practice. (#143)	D	A					Hilton Waikiki Beach	WED Evening
Chemistry for Sustainability	Developments in pesticide ecological risk assessment approaches in the Pacific Rim (#144)		DE					Hilton Waikiki Beach	THU AM
Chemistry for Sustainability	UV Photochemistry for Water: Implications for Safe Water Disinfection and Oxidation Treatment Applications (#145)				DE			Hilton Waikiki Beach	SAT AM
Chemistry for Sustainability	Emerging technologies and advances in measuring and assessing the environmental fate of pesticides and other agrochemicals (#146)		P	D				Hilton Waikiki Beach	WED AM
Chemistry for Sustainability	Catalytic and biological valorization of lignin (#147)			DE				Hilton Waikiki Beach	FRI AM
Chemistry for Sustainability	Green Chemistry and Engineering for a Sustainable Circular Economy (#148)				D	D		Hilton Waikiki Beach	FRI Evening
Chemistry for Sustainability	Ferrate and Ferrite in Green Chemical Applications for Environmental Sustainability (#149)	D	D					Hilton Waikiki Beach	WED Evening
Chemistry for Sustainability	Control and management of pesticides in honeybees and bee-products (#150)			D				Hilton Waikiki Beach	THU Evening

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Chemistry for Sustainability	Agricultural Sustainability: The critical links between chemistry, exposure assessment, risk assessment, and regulations (#151)				D			Hilton Waikiki Beach	THU Evening
Chemistry for Sustainability	Atmospheric Chemistry, Air Pollution and Air Quality: Progress and Challenges (#152)						A	Hilton Waikiki Beach	SAT AM
Chemistry for Sustainability	Advancing Integrated Urbanization, Water and Food Security (#153)					D		Hilton Waikiki Beach	SAT Evening
Chemistry for Sustainability	Future of insect growth regulators and utilization of in silico technology (#154)				DE			Hilton Waikiki Beach	SAT AM
Chemistry for Sustainability	Chemo-catalytic Conversion of Carbohydrates into Marketable Products (#155)				D			Hilton Waikiki Beach	FRI Evening
Chemistry for Sustainability	Flavor and Bioactive Compounds in Fermented Foods and Beverages (#156)	D	DE					Hilton Waikiki Beach	THU AM
Chemistry for Sustainability	Microwave Chemistry for Sustainable Society (#157)			DE				Hilton Waikiki Beach	FRI AM
Chemistry for Sustainability	Hybrid technologies with supercritical fluids and wave irradiation for sustainable material processing (#158)				DE			Hilton Waikiki Beach	SAT AM
Chemistry for Sustainability	Micro and Nano Plastics in the Environment: Detection, Fate, and Impact (#159)					DE		Hilton Waikiki Beach	FRI Evening
Chemistry for Sustainability	Sources and fate of legacy and emerging contaminants in the Asia-Pacific region (#160)						A	Hilton Waikiki Beach	SAT AM
Chemistry for Sustainability	Green chemistry and engineering's role in achieving the UN Sustainable Development Goals (#161)				D			Hilton Waikiki Beach	FRI Evening
Chemistry of Energy	In-Situ and Operando Studies of Spectroscopy, Microscopy, and Catalysis for Chemical and Energy Transformations (#162)		P	D	A			Hilton Hawaiian Village Waikiki Beach Resort	WED AM
Chemistry of Energy	Hydrogen-rich systems: Materials chemistry for energy storage and delivery (#163)				P	D	A	Hilton Hawaiian Village Waikiki Beach Resort	SAT Evening
Chemistry of Energy	Supported Single-Ion Catalysts (#164)	D						Hilton Hawaiian Village Waikiki Beach Resort	WED AM
Chemistry of Energy	Nanostructured Oxide for Energy Harvesting, Conversion and Storage (#165)	D	DE					Hilton Hawaiian Village Waikiki Beach Resort	FRI AM

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Chemistry of Energy	Electrochemical interfaces in energy storage devices (#166)			P	D			Hilton Hawaiian Village Waikiki Beach Resort	THU Evening
Chemistry of Energy	Perovskite and Hybrid Materials Based Photovoltaics and Optoelectronics (#167)			D	A			Hilton Hawaiian Village Waikiki Beach Resort	THU Evening
Chemistry of Energy	Synergies between Theory, Experiment and Data Science towards Clean Energy (#168)	D	A					Hilton Hawaiian Village Waikiki Beach Resort	WED Evening
Chemistry of Energy	Correlating Structure to Behavior in Heterogeneous Electrocatalysts (#170)		D	A				Hilton Hawaiian Village Waikiki Beach Resort	THU Evening
Chemistry of Energy	New challenges in energy chemistry (#171)			DE	D			Hilton Hawaiian Village Waikiki Beach Resort	FRI Evening
Chemistry of Energy	Molecular engines based on energy conversion : From design to autonomous functions (#172)					D		Hilton Hawaiian Village Waikiki Beach Resort	FRI Evening
Chemistry of Energy	Recent Trends and Advances in Artificial Photosynthesis (#173)	D	DE					Hilton Hawaiian Village Waikiki Beach Resort	THU AM
Chemistry of Energy	Energy-Related Materials in the Age of Globalization (#174)					D		Hilton Hawaiian Village Waikiki Beach Resort	SAT Evening
Chemistry of Energy	Theory and Computation for Efficient Utilization of Energy and Resources (#175)					D	A	Hilton Hawaiian Village Waikiki Beach Resort	SAT Evening
Chemistry of Health Care	Food bioactives, inflammation and gut health (#176)		DE					Prince Waikiki - Honolulu Luxury Hotel	THU AM
Chemistry of Health Care	Nitric Oxide, Carbon Monoxide, and Hydrogen Sulfide as Potential Therapeutic Agents (#177)	P	DE					Prince Waikiki - Honolulu Luxury Hotel	THU AM
Chemistry of Health Care	The Chemistry of 18F, 11C and Radiometal-based Probes for Molecular Imaging & Precision Medicine (#178)				PE	A		Prince Waikiki - Honolulu Luxury Hotel	FRI AM
Chemistry of Health Care	Fragment-based Lead Discovery (#179)			DE	A			Prince Waikiki - Honolulu Luxury Hotel	FRI Evening
Chemistry of Health Care	Advancements in the Chemistry of Targeted Alpha Therapy (#180)			DE	A			Prince Waikiki - Honolulu Luxury Hotel	FRI Evening
Chemistry of Health Care	New challenge in interdisciplinary and multiscale supramolecular sciences (#181)				D	A		Prince Waikiki - Honolulu Luxury Hotel	FRI Evening

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Chemistry of Health Care	Antibiotic Discovery (#182)					DE		Prince Waikiki - Honolulu Luxury Hotel	FRI Evening
Chemistry of Health Care	Modified DNA and XNA for therapeutic application (#183)			A				Prince Waikiki - Honolulu Luxury Hotel	THU Evening
Chemistry of Health Care	Cell Instructive Biomaterials for Tissue Engineering and Drug Delivery (#184)	D						Prince Waikiki - Honolulu Luxury Hotel	WED AM
Chemistry of Health Care	Contaminants of Emerging Concern: The science and environmental chemistry perspectives from countries in the Pacific rim and around the world (#185)			D	D			Prince Waikiki - Honolulu Luxury Hotel	THU Evening
Chemistry of Health Care	Advances in Nucleic Acids Based Therapeutics: From Discovery Chemistry to Clinical Applications (#186)			PE				Prince Waikiki - Honolulu Luxury Hotel	THU AM
Chemistry of Health Care	Recent Contribution of Chemistry to Clinics for Realizing Novel Theranostics (#187)				D	A		Prince Waikiki - Honolulu Luxury Hotel	FRI Evening
Chemistry of Health Care	Chemical and Biological Strategies to Address Antimicrobial Resistance (#188)						A	Prince Waikiki - Honolulu Luxury Hotel	SAT AM
Chemistry of Health Care	Photodynamic therapy and photoimmunotherapy based on the photochemistry (#189)					DE	A	Prince Waikiki - Honolulu Luxury Hotel	FRI Evening
Chemistry of Health Care	Advancements in Isotope Production-Providing Important Materials for Research and Applications (#190)		DE					Prince Waikiki - Honolulu Luxury Hotel	THU AM
Chemistry of Health Care	Fluorescent chemical tools for exploring protein functions through organic chemistry (#191)					PE		Prince Waikiki - Honolulu Luxury Hotel	SAT AM
Chemistry of Health Care	Making Smart Drugs Smarter through Innovative Chemistry (#192)			DE				Prince Waikiki - Honolulu Luxury Hotel	FRI AM
Chemistry of Health Care	Nano Drug Chemistry: The Latest Discoveries and Challenges towards Clinical Practice (#193)	P						Prince Waikiki - Honolulu Luxury Hotel	WED AM
Chemistry of Health Care	Design of Polymeric Scaffolds for Tissue Regeneration (#194)		D					Prince Waikiki - Honolulu Luxury Hotel	WED Evening
Chemistry of Health Care	Innovative technologies for production, purification, analysis and in vitro evaluation of radiopharmaceuticals (#195)	D						Prince Waikiki - Honolulu Luxury Hotel	WED AM
Chemistry of Health Care	Nanostructured Functional Materials for Healthcare and Environment (#196)					PE	A	Prince Waikiki - Honolulu Luxury Hotel	SAT AM

Topic Area	Symposium Title (Symposium #)	TUE Dec 15	WED Dec 16	THU Dec 17	FRI Dec 18	SAT Dec 19	SUN Dec 20	Location	Poster Session
Chemistry of Health Care	Nanotechnology in Cancer Care (#197)		DE					Prince Waikiki - Honolulu Luxury Hotel	THU AM
Computational and Theoretical	Computational Quantum Chemistry: Synergism Between Theory and Experiment (#198)	D	DE					Hawaii Convention Center	THU AM
Computational and Theoretical	Computational Materials Science based on localized Electronic Structures (#199)			DE	A			Hawaii Convention Center	FRI Evening
Computational and Theoretical	Biomolecules at interfaces defining the cellular environment: From conformational dynamics to informatic approaches (#200)	D	D					Hawaii Convention Center	THU AM
Computational and Theoretical	Modeling exciton and charge dynamics in molecules and clusters toward optoelectronic applications (#201)	D	DE					Hawaii Convention Center	THU AM
Computational and Theoretical	Exploring complex and real systems using large-scale molecular dynamics calculations (#202)				P	D	A	Hawaii Convention Center	SAT Evening
Computational and Theoretical	Computational Chemistry for Pharmaceutical Route Development (#203)					D	A	Hawaii Convention Center	SAT Evening
Computational and Theoretical	Theory and Computation for Complex Molecular Systems: (In Memory of late Prof. Keiji Morokuma) (#204)			DE	A			Hawaii Convention Center	FRI Evening
Computational and Theoretical	Computational Studies of Transition Metal Ions in Chemistry and Biology (#205)			DE	A			Hawaii Convention Center	FRI Evening
Computational and Theoretical	Fusion of classical- and quantum-mechanical molecular simulations (#206)	D	DE					Hawaii Convention Center	THU AM
Computational and Theoretical	Crossing the Biological Membrane: Frontiers in the Computational Study of Membrane Transport (#207)	D	DE					Hawaii Convention Center	THU AM
Computational and Theoretical	Next-Generation Materials Structure-Property Prediction (#208)				P	D	A	Hawaii Convention Center	SAT Evening
Computational and Theoretical	Quantum Monte Carlo and Quantum Information (#209)			DE	D			Hawaii Convention Center	FRI Evening
Computational and Theoretical	Quantum Coherence in Energy Transfer (#210)	D	D					Hawaii Convention Center	THU AM
Computational and Theoretical	Enabling transformative computational chemistry models on exascale computers (#211)					DE	A	Hawaii Convention Center	FRI Evening

Topic Area	Symposium Title (Symposium #)	TUE Dec 15	WED Dec 16	THU Dec 17	FRI Dec 18	SAT Dec 19	SUN Dec 20	Location	Poster Session
Computational and Theoretical	Electronic and Nuclear Structure Theory: Quantum Dynamics for Electronic Ground and Excited States (#212)		P	D				Hawaii Convention Center	WED AM
Computational and Theoretical	From Homogeneous to Heterogeneous Catalysis: A Computational Perspective (#213)			DE	A			Hawaii Convention Center	FRI Evening
Computational and Theoretical	Heavy Element Chemistry: From Theoretical Development to Application (#214)				DE	A		Hawaii Convention Center	SAT Evening
Computational and Theoretical	Multiscale methods for modeling of bio- and macromolecular systems in a complex environment (#215)					PE	A	Hawaii Convention Center	SAT AM
Computational and Theoretical	Chemical Concepts from Theory and Computation (#216)	D	DE					Hawaii Convention Center	THU AM
Computational and Theoretical	Recent development in localized molecular orbitals for quantum chemical theory and applications (#217)				D			Hawaii Convention Center	SAT AM
Computational and Theoretical	From electron transfer: from electrochemistry to mixed-valence molecules to photosynthesis: (In memory of the late Prof. Noel Hush). (#218)				P	DE	A	Hawaii Convention Center	FRI Evening
Computational and Theoretical	Frontiers in Computer Aided Drug Design (#219)			D				Hawaii Convention Center	THU Evening
Computational and Theoretical	Molecules, Materials, and Massive Computations: Advancing molecular and materials science through large scale computation (#220)					D	A	Hawaii Convention Center	SAT Evening
Computational and Theoretical	Frontiers in Quantum and Classical Molecular Dynamics for Complex Systems (#221)	D	A					Hawaii Convention Center	THU AM
Inorganic	Unusual Structure and Reactivity in the Main Group: From Fundamental to Functional Materials (#222)			PE	D	A		Hilton Hawaiian Village Waikiki Beach Resort	FRI Evening
Inorganic	Metal-oxo Clusters in Chemistry, Physics and Materials Science (#223)	D	DE					Hilton Hawaiian Village Waikiki Beach Resort	THU AM
Inorganic	Molecular Spintronics Based on Coordination Chemistry (#224)					D	A	Hilton Hawaiian Village Waikiki Beach Resort	SAT Evening
Inorganic	Nature does it better: Small molecule activation in metalloenzymes and adaptation in synthetic catalysts (#225)		DE					Hilton Hawaiian Village Waikiki Beach Resort	THU AM
Inorganic	Anion-directed design of functional solid-state materials (#226)		PE	D				Hilton Hawaiian Village Waikiki Beach Resort	WED AM

Topic Area	Symposium Title (Symposium #)	TUE Dec 15	WED Dec 16	THU Dec 17	FRI Dec 18	SAT Dec 19	SUN Dec 20	Location	Poster Session
Inorganic	Metals in Biological Chemistry: C-H Bond Activation by Metalloenzymes and Models (#227)			DE				Hilton Hawaiian Village Waikiki Beach Resort	FRI AM
Inorganic	Homogeneous Catalysis by Earth Abundant Metals (#228)				DE	A		Hilton Hawaiian Village Waikiki Beach Resort	SAT Evening
Inorganic	New Horizon of Main Group and Transition-metal Aromatics (#229)		DE	A				Hilton Hawaiian Village Waikiki Beach Resort	THU Evening
Inorganic	Metal-Containing π -Conjugated Systems: Syntheses, Properties, Applications (#230)	D						Hilton Hawaiian Village Waikiki Beach Resort	WED AM
Inorganic	Extension of the periodic table: New discoveries and chemistry of the heaviest elements (#231)			DE				Hilton Hawaiian Village Waikiki Beach Resort	FRI AM
Inorganic	Advanced multifunctional molecular materials based on dynamic spin (#232)				D			Hilton Hawaiian Village Waikiki Beach Resort	FRI Evening
Inorganic	Moving Metals Around (#233)			DE	A			Hilton Hawaiian Village Waikiki Beach Resort	FRI Evening
Inorganic	Frontiers in Actinide Chemistry: From Fundamental Systems to Practical Applications (#234)	D	A					Hilton Hawaiian Village Waikiki Beach Resort	WED Evening
Inorganic	Main Group Element-Transition Metal Compounds: The Intersection of Molecular and Solid State Chemistry (#235)	D	A					Hilton Hawaiian Village Waikiki Beach Resort	WED Evening
Inorganic	Innovative Uses of Metals in Medicine (#236)			D	D			Hilton Hawaiian Village Waikiki Beach Resort	FRI Evening
Inorganic	Photocatalytic carbon dioxide reduction (#237)	D	DE					Hilton Hawaiian Village Waikiki Beach Resort	THU AM
Inorganic	Frontiers and New Horizons in Molecular f-Element Chemistry (#238)			DE				Hilton Hawaiian Village Waikiki Beach Resort	FRI AM
Inorganic	Triggering Assembly of Functional Supramolecular Coordination Complexes (#239)			DE	A			Hilton Hawaiian Village Waikiki Beach Resort	FRI Evening
Inorganic	Switchable catalysis (#240)				PE	D		Hilton Hawaiian Village Waikiki Beach Resort	SAT Evening
Inorganic	The frontiers of hemeproteins science (#241)	D						Hilton Hawaiian Village Waikiki Beach Resort	WED AM

Topic Area	Symposium Title (Symposium #)	TUE Dec 15	WED Dec 16	THU Dec 17	FRI Dec 18	SAT Dec 19	SUN Dec 20	Location	Poster Session
Inorganic	Novel Heme Proteins and Model Systems (#242)				DE			Hilton Hawaiian Village Waikiki Beach Resort	SAT AM
Inorganic	Diversity in Inorganic Fluorine Chemistry, from Fundamental Aspects to Applications for Global Challenges (#243)				D	A		Hilton Hawaiian Village Waikiki Beach Resort	SAT Evening
Inorganic	Molecular-Semiconductor Hybrids for Solar Fuels Generation (#244)			DE	A			Hilton Hawaiian Village Waikiki Beach Resort	FRI Evening
Inorganic	Frontiers of Molecular Magnetism (#245)	D						Hilton Hawaiian Village Waikiki Beach Resort	WED AM
Inorganic	Electric/ionic transport in metal organic frameworks for energy device applications (#246)					D		Hilton Hawaiian Village Waikiki Beach Resort	SAT Evening
Inorganic	Development and Evaluation of Radiotheranostics (#247)			D	A			Hilton Hawaiian Village Waikiki Beach Resort	FRI Evening
Inorganic	Coordination Asymmetry (#248)			D				Hilton Hawaiian Village Waikiki Beach Resort	THU Evening
Inorganic	Innovative New Chemistry for MRI Contrast (#249)	D	D					Hilton Hawaiian Village Waikiki Beach Resort	WED Evening
Inorganic	Luminescent Metal Complexes in Materials and Life Sciences (#250)					PE	A	Hilton Hawaiian Village Waikiki Beach Resort	FRI Evening
Inorganic	Metal-Ligand Cooperation for bond activation (#251)		P	D				Hilton Hawaiian Village Waikiki Beach Resort	WED AM
Inorganic	Advances in Bioorganometallic Chemistry (#252)					D		Hilton Hawaiian Village Waikiki Beach Resort	SAT Evening
Inorganic	Nuclear chemical methods in material and environmental science (#253)		DE					Hilton Hawaiian Village Waikiki Beach Resort	THU AM
Inorganic	Photofunctions of Soft Crystals Constructed with Coordination Compounds (#254)				D	A		Hilton Hawaiian Village Waikiki Beach Resort	FRI Evening
Inorganic	Nanoscale actinide clusters and supramolecular assemblies in actinide compounds (#255)		PE					Hilton Hawaiian Village Waikiki Beach Resort	WED AM
Inorganic	Non-covalent Interactions in Functional Ionic Coordination Systems (#256)	D	D					Hilton Hawaiian Village Waikiki Beach Resort	WED Evening

Topic Area	Symposium Title (Symposium #)	TUE Dec 15	WED Dec 16	THU Dec 17	FRI Dec 18	SAT Dec 19	SUN Dec 20	Location	Poster Session
Inorganic	Characterization, Function & Utility of Compounds Containing Alkali and Alkaline Earth Metals (#257)					D	A	Hilton Hawaiian Village Waikiki Beach Resort	SAT Evening
Inorganic	Early Transition Metal Complexes: From Rare Bond Types to Useful Catalysis (#258)	D	A					Hilton Hawaiian Village Waikiki Beach Resort	WED Evening
Inorganic	Metal anticancer agents with unconventional modes of action (#259)	D	D					Hilton Hawaiian Village Waikiki Beach Resort	WED Evening
Inorganic	Radiochemistry of actinides and fission products for safe management of radioactive wastes (#260)				D			Hilton Hawaiian Village Waikiki Beach Resort	FRI Evening
Inorganic	Ultrafast Phenomena in Transition Metal-containing Systems (#261)	D	D					Hilton Hawaiian Village Waikiki Beach Resort	WED Evening
Inorganic	Metalloproteins in Health and Disease (#262)					D	A	Hilton Hawaiian Village Waikiki Beach Resort	SAT Evening
Inorganic	New Frontiers in Bioinorganic Chemistry: Combining Synthesis, Spectroscopy, and Enzymology to Understand Dynamic Interplay across Time and Length Scales (#263)				PE	D		Hilton Hawaiian Village Waikiki Beach Resort	SAT Evening
Macromolecular	Advances in polymer-functionalized soft interfaces (#264)			DE	D			Hawaii Convention Center	FRI Evening
Macromolecular	Synthesis and Applications of Molecular Bottlebrush Polymers (#265)			D				Hawaii Convention Center	THU Evening
Macromolecular	Macromolecular Material Design by Precision Photochemistry (#266)			D	DE			Hawaii Convention Center	SAT AM
Macromolecular	Chemical Modification of Biomacromolecule Sources: Design and Applications for Value Added Product (#267)	D						Hawaii Convention Center	WED AM
Macromolecular	Microgels and Nanogels: Fundamentals and Applications (#268)	D	DE					Hawaii Convention Center	THU AM
Macromolecular	Progress in Polymer Dynamics (#269)			DE				Hawaii Convention Center	FRI AM
Macromolecular	Expanding the Macromolecular Periodic Table: Polymers and Supramolecules Containing Non-Hydrocarbon Elements for Enhanced Functionality (#270)			DE	D			Hawaii Convention Center	FRI Evening
Macromolecular	Bioinspired synthetic polymers-synthesis, self-assembly and application (#271)		D	D				Hawaii Convention Center	THU Evening

Topic Area	Symposium Title (Symposium #)	TUE Dec 15	WED Dec 16	THU Dec 17	FRI Dec 18	SAT Dec 19	SUN Dec 20	Location	Poster Session
Macromolecular	Advances in precision polymer synthesis using reversible deactivation radical polymerization (#272)		DE	D				Hawaii Convention Center	THU Evening
Macromolecular	A New Era of Macromolecular Engineering: Control of Sequence and Dimension toward Functional Materials (#273)				D	D		Hawaii Convention Center	SAT Evening
Macromolecular	Chirality of Polymers and Supramolecules (#274)					P	A	Hawaii Convention Center	SAT Evening
Macromolecular	Precision Polymer Synthesis and Supramolecular Architectures for Designable Functionality (#275)					DE	A	Hawaii Convention Center	FRI Evening
Macromolecular	Cyclic and topologically complex polymers (#276)				DE	A		Hawaii Convention Center	SAT Evening
Macromolecular	Stimuli Responsive Macromolecular Assembly for Biomedical Applications (#277)					D	A	Hawaii Convention Center	SAT Evening
Macromolecular	Leading Edge of Biodegradable and Biomass-based Polymers (#278)			P	D			Hawaii Convention Center	THU Evening
Macromolecular	Chemical Complexity, Systems Chemistry and Actively-Driven Self-assembly (#279)	D	DE					Hawaii Convention Center	THU AM
Macromolecular	Tough and Toughend Polymers (#280)				DE	A		Hawaii Convention Center	SAT Evening
Macromolecular	Modification of Natural Polymers via Physical and Chemical Grafting (#281)				DE	A		Hawaii Convention Center	SAT Evening
Macromolecular	Advanced Membranes and Membrane Processes for Global Separations Challenges (#282)					DE	A	Hawaii Convention Center	FRI Evening
Macromolecular	Macromolecular theory and simulations (#283)	D	DE					Hawaii Convention Center	THU AM
Macromolecular	Polymerization Kinetics and Mechanisms: The Pathway to Improved Products and Processes (#284)	D						Hawaii Convention Center	WED AM
Macromolecular	Towards A Circular Materials Economy: Design for Renewable, Degradable and Recyclable Polymers (#285)	D	D					Hawaii Convention Center	THU AM
Macromolecular	New Ideas in Biocompatible Polymer/Supramolecular Systems that Expand Medical Possibilities (#286)	D	A					Hawaii Convention Center	THU AM

Topic Area	Symposium Title (Symposium #)	TUE Dec 15	WED Dec 16	THU Dec 17	FRI Dec 18	SAT Dec 19	SUN Dec 20	Location	Poster Session
Macromolecular	Hierarchical self-assembly and application of functional systems (#287)					D	A	Hawaii Convention Center	SAT Evening
Macromolecular	Polymeric Biomaterials for Medicine (#288)		PE	D				Hawaii Convention Center	WED AM
Macromolecular	Silicon-Containing Polymers and Oligomers: Synthesis, Structural Control, Function, Hybridization, and Applications (#289)	D	D					Hawaii Convention Center	THU AM
Macromolecular	Innovative Adhesion Technology Based on Macromolecular Science (#290)					DE	A	Hawaii Convention Center	FRI Evening
Macromolecular	Macromolecules-Biology Interface: Opportunities in the Second Century (#291)				DE			Hawaii Convention Center	SAT AM
Materials	2D-3D Stacking of p-Conjugated Molecular Systems vs 2D Conjugated Organic Frameworks: Topological Modulation and Accumulation of p-Conjugated Molecular Systems toward Optoelectronic Applications (#292)	D	A					Hawaii Convention Center	WED Evening
Materials	Self-Assembly of Block Copolymers: From Fundamentals to Applications (#293)					D	A	Hawaii Convention Center	SAT Evening
Materials	The Many Flavors of Mechanochemistry (#294)		DE	A				Hawaii Convention Center	THU Evening
Materials	Carbon Nanotubes and related materials: Preparation, Characterization and Applications (#295)	D	DE					Hawaii Convention Center	THU AM
Materials	Novel Organic Semiconducting Materials for Addressing Global Challenges (#296)				D	A		Hawaii Convention Center	SAT Evening
Materials	Mechanically Responsive Materials: Bridging the Gap Between Polymers and Crystals (#297)			P	D			Hawaii Convention Center	FRI Evening
Materials	Advances in Colloidal Crystal Engineering (#298)		PE	A				Hawaii Convention Center	WED AM
Materials	Hydrogen-Materials Interactions: Activation, Storage, and Utilization from Molecules to Bulk (#299)					PE	A	Hawaii Convention Center	FRI Evening
Materials	Application of Luminescent Materials for Radiation Detection (#300)					PE	A	Hawaii Convention Center	SAT AM
Materials	Carbon Dioxide Switchable Materials (#301)	D						Hawaii Convention Center	WED AM

Topic Area	Symposium Title (Symposium #)	TUE Dec 15	WED Dec 16	THU Dec 17	FRI Dec 18	SAT Dec 19	SUN Dec 20	Location	Poster Session
Materials	Aggregation-Induced Emission: Fundamentals and Applications (#302)		DE	D	A			Hawaii Convention Center	FRI Evening
Materials	Excitonic Nanomaterials: Synthesis and Applications (#303)			PE	D	A		Hawaii Convention Center	SAT Evening
Materials	Inorganic Oxide and Hydroxide Nanosheets: Toolkits for Structurally and Functionally Designed Nanomaterials (#304)					D	A	Hawaii Convention Center	SAT Evening
Materials	Design of single-site and nano-confined catalysts for environmental and energy uses (#305)					D	A	Hawaii Convention Center	SAT Evening
Materials	Smart photoresponsive molecular systems: innovation of fundamentals, ultra-high photosensitive systems, and amplified mechanical movement (#306)		D	D				Hawaii Convention Center	THU Evening
Materials	Recent Progress in Circularly Polarized Luminescence (CPL) and Related Phenomena: Synthesis and Photophysics (#307)	D						Hawaii Convention Center	WED AM
Materials	The Expanding Frontiers of Frustrated Magnetic Materials (#308)	D	DE					Hawaii Convention Center	THU AM
Materials	Charge, Spin and Other Degrees of Freedom in Molecular Solids (#309)			DE	D			Hawaii Convention Center	FRI Evening
Materials	Diamond Electrochemistry (#310)			D				Hawaii Convention Center	THU Evening
Materials	Porous Framework Materials for Destruction, Sensing, and Protection from Chemical Hazards (#311)				D			Hawaii Convention Center	FRI Evening
Materials	Organic Electronics of Highly-Correlated Molecular Systems (#312)				DE	A		Hawaii Convention Center	SAT Evening
Materials	Soft Robotics Innovation by Mechanically Responsive Materials (#313)					D	A	Hawaii Convention Center	FRI Evening
Materials	Janus Materials towards Functional Superstructures (#314)	D	D					Hawaii Convention Center	WED Evening
Materials	Recent Advances in Silsesquioxanes Chemistry and Their Applications (#315)				P	A		Hawaii Convention Center	FRI AM
Materials	Making Peptides, Proteins and Nucleic Acids into Medicines through Advanced Delivery (#316)					D		Hawaii Convention Center	SAT Evening

Topic Area	Symposium Title (Symposium #)	TUE Dec 15	WED Dec 16	THU Dec 17	FRI Dec 18	SAT Dec 19	SUN Dec 20	Location	Poster Session
Materials	Advanced Materials and Interfacial Phenomena in Oil Exploitation (#317)	D						Hawaii Convention Center	WED AM
Materials	Biomolecule-based Nanostructures: Assembly, Dynamics, Properties, and Function (#318)			DE	D			Hawaii Convention Center	FRI Evening
Materials	Toward Atomic Precision in Controlling the Low-Dimensional Nanomaterials (#319)	P	DE					Hawaii Convention Center	THU AM
Materials	In situ TEM Characterization of Dynamic Processes during Materials Synthesis and Processing (#320)			D	D			Hawaii Convention Center	THU Evening
Materials	2D Materials for Energy Storage and Conversion (#321)			D	D			Hawaii Convention Center	THU Evening
Materials	New direction of structure-property relationships in functional materials (#322)	D	A					Hawaii Convention Center	WED Evening
Materials	Organic Electronics and Spintronics -Materials and Devices- (#323)					P	A	Hawaii Convention Center	SAT Evening
Materials	Polymeric, inorganic, and hybrid materials for breakthrough membrane applications: advancing the science, engineering and process design (#324)			D				Hawaii Convention Center	THU Evening
Materials	2D Particles and their Composites (#325)				D			Hawaii Convention Center	FRI Evening
Materials	Pair Distribution Function for Aqueous Solutions and Disordered Materials – Experimental Advances and Modeling (#326)					D		Hawaii Convention Center	SAT Evening
Materials	Innovation of Nanomaterials Based on Cyclodextrins (#327)					P	A	Hawaii Convention Center	SAT Evening
Materials	Current experimental and theoretical challenges in functional pi-electron systems (#328)		PE	D				Hawaii Convention Center	WED AM
Materials	Responsive Nanospace of Porous Compounds (#329)					D	A	Hawaii Convention Center	SAT Evening
Materials	Ultrafast Structural Dynamics in Condensed Matter (#330)	D	DE					Hawaii Convention Center	THU AM
Nanotechnology	Terahertz imaging, spectroscopy and nanosensors: current applications and future direction (#331)			DE	A			Hawaii Convention Center	FRI Evening

Topic Area	Symposium Title (Symposium #)	TUE Dec 15	WED Dec 16	THU Dec 17	FRI Dec 18	SAT Dec 19	SUN Dec 20	Location	Poster Session
Nanotechnology	Chemistry and applications of protein and virus-based nanotechnologies (#332)				P	D	A	Hawaii Convention Center	SAT Evening
Nanotechnology	Direct Visualization of Chemical and Self-Assembly Processes with High-resolution Microscopy (#333)					D	A	Hawaii Convention Center	SAT Evening
Nanotechnology	Advances in Boron and Boron-related Nanostructures (#334)	D						Hawaii Convention Center	WED AM
Nanotechnology	Lanthanide-based upconverting nanoparticles: synthesis, optics, and application (#335)		D	D				Hawaii Convention Center	THU Evening
Nanotechnology	Self-assembled biofunctional nanomaterials (#336)	D	DE					Hawaii Convention Center	THU AM
Nanotechnology	Understanding and Designing Safe Nano-Bio Interfaces for Materials, Medicine, and the Environment (#337)			D	D			Hawaii Convention Center	FRI Evening
Nanotechnology	Single-Molecule and Particle Science and Technology (#338)				D			Hawaii Convention Center	FRI Evening
Nanotechnology	Supramolecular Assemblies at Surfaces: Nanopatterning, Functionality, Reactivity (#339)	D	DE					Hawaii Convention Center	THU AM
Nanotechnology	Interfaces of low dimensional Inorganic nanomaterials for energy- and bio-applications. (#340)					D	A	Hawaii Convention Center	SAT Evening
Nanotechnology	Frontiers of Optical Manipulation for Nano-Material Science (#341)					PE	A	Hawaii Convention Center	FRI Evening
Nanotechnology	Bioinspired Interfacial Materials with Superwettability (#342)					DE	A	Hawaii Convention Center	FRI Evening
Nanotechnology	Free radicals in biology, chemical synthesis and functional bio-/nanomaterials (#343)				DE	A		Hawaii Convention Center	SAT Evening
Nanotechnology	Molecular electronics: The synergy of synthesis, measurement, and theory (#344)	D						Hawaii Convention Center	WED AM
Nanotechnology	Young Giants of Nanoscience (#345)			D	A			Hawaii Convention Center	FRI Evening
Nanotechnology	Metal-based Nanostructures: From Synthesis to Functionalization, Characterization, and Applications (#346)				P	D	A	Hawaii Convention Center	SAT Evening

Topic Area	Symposium Title (Symposium #)	TUE Dec 15	WED Dec 16	THU Dec 17	FRI Dec 18	SAT Dec 19	SUN Dec 20	Location	Poster Session
Nanotechnology	Thermal Energy Conversion and Management in Nanoscale Electronics (#347)		D	A				Hawaii Convention Center	THU Evening
Nanotechnology	Combinatorial Nanotechnology (#348)	D	A					Hawaii Convention Center	WED Evening
Nanotechnology	Porous materials and nanocomposites for catalysis (#349)	D	A					Hawaii Convention Center	WED Evening
Organic	New Frontier of Chemical Probes exploring Biology and Medicine (#350)		DE					Hilton Hawaiian Village Waikiki Beach Resort	THU AM
Organic	Strategies and Tactics for Complex Molecule Synthesis (#351)		DE	A				Hilton Hawaiian Village Waikiki Beach Resort	THU Evening
Organic	Optical Cross-Reactive Sensor Arrays, Artificial Noses and Tongues (#352)		DE					Hilton Hawaiian Village Waikiki Beach Resort	THU AM
Organic	Probe design guided research for multimodal molecular imaging (#353)	D						Hilton Hawaiian Village Waikiki Beach Resort	WED AM
Organic	Anion Recognition Chemistry (#354)			DE				Hilton Hawaiian Village Waikiki Beach Resort	FRI AM
Organic	Remote Functionalization of Organic Molecules (#355)		PE	D				Hilton Hawaiian Village Waikiki Beach Resort	WED AM
Organic	Chemistry of Nanocarbons - Fullerenes, Carbon Nanotubes, Nanographenes and Related Materials (#356)	D	DE					Hilton Hawaiian Village Waikiki Beach Resort	THU AM
Organic	Continuous Flow Biocatalysis (#357)	D						Hilton Hawaiian Village Waikiki Beach Resort	WED AM
Organic	Hybrid Catalysis (#358)		D					Hilton Hawaiian Village Waikiki Beach Resort	WED Evening
Organic	Designed pi-Electronic Systems: Synthesis, Properties, Theory and Function (#359)			DE	D			Hilton Hawaiian Village Waikiki Beach Resort	FRI Evening
Organic	Activation of Strong Chemical Bonds for Organic Synthesis (#360)			D				Hilton Hawaiian Village Waikiki Beach Resort	FRI AM
Organic	Drug-Discovery Based on Natural Products Chemistry; Isolation, Synthesis, and Biosynthesis (#361)				PE	D		Hilton Hawaiian Village Waikiki Beach Resort	SAT Evening

Topic Area	Symposium Title (Symposium #)	TUE Dec 15	WED Dec 16	THU Dec 17	FRI Dec 18	SAT Dec 19	SUN Dec 20	Location	Poster Session
Organic	Molecular and Supramolecular Photosciences of Organic Molecules (#362)	D	DE					Hilton Hawaiian Village Waikiki Beach Resort	THU AM
Organic	Innovation in Organic Synthesis Through Successful Academia–Industry Partnerships (#363)					D	A	Hilton Hawaiian Village Waikiki Beach Resort	SAT Evening
Organic	Sulfur Rush: Organosulfur Frontiers (#364)			DE				Hilton Hawaiian Village Waikiki Beach Resort	FRI AM
Organic	Synthetic Receptors in Biological Systems (#365)				DE			Hilton Hawaiian Village Waikiki Beach Resort	SAT AM
Organic	Development of New Reactions and Technologies Adaptable to Process Chemistry (#366)			D	A			Hilton Hawaiian Village Waikiki Beach Resort	THU Evening
Organic	Organic Solid-State Chemistry: Advances from Structures to Properties (#367)			DE	A			Hilton Hawaiian Village Waikiki Beach Resort	FRI Evening
Organic	Innovative Fluorination/ Fluoroalkylation/ Fluoro-functionalization (#368)	P	DE					Hilton Hawaiian Village Waikiki Beach Resort	THU AM
Organic	Flow Synthesis using Flow and Microreactor Systems (#369)	D	A					Hilton Hawaiian Village Waikiki Beach Resort	WED Evening
Organic	Middle molecular strategy for regulation of protein-protein & protein-biomolecule interactions (#370)					D		Hilton Hawaiian Village Waikiki Beach Resort	SAT Evening
Organic	Recent Advances in C-H Functionalization (#371)	D	D					Hilton Hawaiian Village Waikiki Beach Resort	WED Evening
Organic	Organoboron Chemistry: Organic Synthesis, Chemical Biology and Medicinal Chemistry (#372)					D	A	Hilton Hawaiian Village Waikiki Beach Resort	SAT Evening
Organic	Carbenes for Catalysis and Synthesis (#373)			DE				Hilton Hawaiian Village Waikiki Beach Resort	FRI AM
Organic	Reactivity and Mechanism in Chemical and Synthetic Biology (#374)					DE	A	Hilton Hawaiian Village Waikiki Beach Resort	FRI Evening
Organic	Iodine Chemistry at The Dawn of Its Third Century (#375)				DE			Hilton Hawaiian Village Waikiki Beach Resort	SAT AM
Organic	Green Techniques for Organic & Medicinal Chemistry (#376)		D					Hilton Hawaiian Village Waikiki Beach Resort	WED Evening

Topic Area	Symposium Title (Symposium #)	TUE Dec 15	WED Dec 16	THU Dec 17	FRI Dec 18	SAT Dec 19	SUN Dec 20	Location	Poster Session
Organic	Recent Trends in Amination Chemistry (#377)				DE			Hilton Hawaiian Village Waikiki Beach Resort	SAT AM
Organic	Complex Synthetic Chemistry with Simple Starting Materials (#378)			PE	A			Hilton Hawaiian Village Waikiki Beach Resort	FRI Evening
Organic	New Aspects on Organocatalysts (#379)				DE	D		Hilton Hawaiian Village Waikiki Beach Resort	SAT Evening
Organic	Activity-Based Sensing (#380)					D	A	Hilton Hawaiian Village Waikiki Beach Resort	SAT Evening
Organic	Photon-Assisted Organic Synthesis (#381)					D		Hilton Hawaiian Village Waikiki Beach Resort	SAT Evening
Organic	Bioconjugates and Antibody-Drug Conjugates (ADCs), from Bench to Bedside. (#382)	D						Hilton Hawaiian Village Waikiki Beach Resort	WED AM
Organic	Organic Redox Reactions (#383)						A	Hilton Hawaiian Village Waikiki Beach Resort	SAT Evening
Organic	Base Metal-Catalyzed Reactions (#384)				D			Hilton Hawaiian Village Waikiki Beach Resort	FRI Evening
Organic	Advances in Glycan Engineering and Glycans from the Microbial World (#385)			D	A			Hilton Hawaiian Village Waikiki Beach Resort	THU Evening
Physical	Excitonic materials for photon upconversion and singlet fission (#386)	D	D					Hawaii Convention Center	WED Evening
Physical	Ultrafast Intense Laser Chemistry (#387)	D	D					Hawaii Convention Center	WED Evening
Physical	Misconceptions in Astrochemistry: A Chemist's Guide (#388)	D	DE					Hawaii Convention Center	THU AM
Physical	Solutions to the Energy- and Environmental-Related Problems by Cutting-Edge Accelerator-Based Techniques (#389)					D	A	Hawaii Convention Center	SAT Evening
Physical	Trends in Plasmonic Photochemistry (#390)			DE	A			Hawaii Convention Center	FRI Evening
Physical	Recent Advances in Coherent Multidimensional Spectroscopy (#391)			D	D	A		Hawaii Convention Center	SAT Evening

Topic Area	Symposium Title (Symposium #)	TUE Dec 15	WED Dec 16	THU Dec 17	FRI Dec 18	SAT Dec 19	SUN Dec 20	Location	Poster Session
Physical	Advanced Understanding of Soft Interfaces at the Molecular-Scale (#392)				D	D	A	Hawaii Convention Center	SAT Evening
Physical	Triangle of Heterogeneous Catalysis, Surface Science, and Theory (#393)				P	D	A	Hawaii Convention Center	SAT Evening
Physical	Oscillation, Pattern Formation, and Active Motion in Nonequilibrium Chemical Systems (#394)	D	D					Hawaii Convention Center	WED Evening
Physical	Frontiers of Plasmon Enhanced Spectroscopy II (#395)				PE	D		Hawaii Convention Center	SAT Evening
Physical	Interfacial Phenomena for Bubbles, Droplets, Films and Soft Matter (#396)	D	DE					Hawaii Convention Center	THU AM
Physical	New Frontier in Fundamental Science of Molecular Chirality (#397)			D	D			Hawaii Convention Center	THU Evening
Physical	Latest Development of Vibrational Spectroscopy (#398)				P	D	A	Hawaii Convention Center	SAT Evening
Physical	Self-Organization and Dynamics of Model Biomembrane Systems (#399)				DE	A		Hawaii Convention Center	SAT Evening
Physical	Quantum Computing/Information Processing and Molecular Quantum Technology (#400)	D						Hawaii Convention Center	WED AM
Physical	Frontier of Colloid and Interface Chemistry (#401)			DE	A			Hawaii Convention Center	FRI Evening
Physical	Frontiers of Photon Upconversion Based on Triplet-triplet Annihilation (#402)					P	A	Hawaii Convention Center	SAT Evening
Physical	Structure and function of complex molecular clusters - challenges in theory and experiment (#403)			DE	A			Hawaii Convention Center	FRI Evening
Physical	Water Research for Global Challenges (#404)			D	D			Hawaii Convention Center	FRI Evening
Physical	Surface electronic structure and dynamics at the atomic scale (#405)			DE	D			Hawaii Convention Center	FRI Evening
Physical	Molecular Adsorption and Reactivity at Environmental and Biological Interfaces (#406)		PE	D				Hawaii Convention Center	WED AM

Topic Area	Symposium Title (Symposium #)	TUE Dec 15	WED Dec 16	THU Dec 17	FRI Dec 18	SAT Dec 19	SUN Dec 20	Location	Poster Session
Physical	Single-molecule and Single-particle Fluorescence Imaging (#407)	D	DE					Hawaii Convention Center	THU AM
Physical	Frontiers of higher energy UV spectroscopy (#408)	D	DE					Hawaii Convention Center	THU AM
Physical	Atmospheric Aerosols (#409)				D	D	A	Hawaii Convention Center	SAT Evening
Physical	Advances in Hydrogen Bond Research (#410)		DE					Hawaii Convention Center	THU AM
Physical	Electron- and Photon-Driven Chemical Reactions at Surfaces (#411)					D	A	Hawaii Convention Center	SAT Evening
Physical	What can gas-phase studies tell us about condensed phase structure and reactivity? (#412)			D				Hawaii Convention Center	THU Evening
Physical	Chemistry of Prebiotic Chemical Systems Applied towards Origins of Life (#413)					P	A	Hawaii Convention Center	SAT Evening
Physical	Frontiers in Ultrafast Spectroscopy of Photoexcited States (#414)			DE	A			Hawaii Convention Center	FRI Evening
Physical	Functional Liquid Interfaces on the Molecular Scale: From Basic Science to Nanotechnology (#415)		PE	D				Hawaii Convention Center	WED AM
Physical	Advanced Functional Clusters and Nanostructured Materials (#416)				P	D		Hawaii Convention Center	SAT Evening
Physical	Experimental and Computational Analysis of the Nano-Bio Interface for Sustainable Nanotechnology (#417)	D	A					Hawaii Convention Center	WED Evening
Physical	Frontiers in the structure, properties, and functions of molecular liquids and solutions (#418)					D	A	Hawaii Convention Center	SAT Evening
Physical	Biological Structural Dynamics by Ultrafast X-ray and 4D electron microscopy (#419)	D	A					Hawaii Convention Center	WED Evening
Physical	Excited-state Dynamics of Cofactors in Biology (#420)	P	DE					Hawaii Convention Center	THU AM
General Posters									

Topic Area	Symposium Title (Symposium #)	TUE Dec 15	WED Dec 16	THU Dec 17	FRI Dec 18	SAT Dec 19	SUN Dec 20	Location	Poster Session
	Analytical General Posters								WED AM
	Artificial Intelligence, Big Data and Beyond General Posters								FRI AM
	Biological General Posters								FRI AM
	Chemical Education and Communication General Posters								FRI AM
	Chemical, Biological and Biomedical Eng. General Posters								FRI AM
	Chemistry for Sustainability General Posters								WED AM
	Chemistry of Energy General Posters								WED AM
	Chemistry of Health Care General Posters								FRI AM
	Computational and Theoretical General Posters								WED AM
	Inorganic General Posters								FRI AM
	Macromolecular General Posters								WED AM
	Materials General Posters								WED AM
	Nanotechnology General Posters								WED AM
	Organic General Posters								WED AM
	Physical General Posters								FRI AM