

PCSD at Bahia, Jan. 30-Feb. 1 2020 (full program available www.pacificspectroscopy.org)

Thursday, Jan. 30		
Time	Location	Activity / Speaker
6:00 - 7:00	Ventana	<i>Dinner</i>
7:30 - 7:40	Shell	Welcome Remarks
7:40 - 9:40	Shell	Session I: Chair Lenny Sheps
7:40 - 8:20	Shell	Christy Landes From Single-analyte Statistics to Predictive Separations
8:20 - 8:40	Shell	Blake Erickson Time-resolved Photoelectron Spectroscopy of Solvated Species
8:40 - 9:00	Shell	Megan Stone Triplet States of Molecules Relevant to Singlet Fission Probed by Vibronic Spectroscopy
9:00 - 9:40	Shell	Kyle Crabtree Exploring Astrochemical Radical Precursors of N-heterocycles with Rotational Spectroscopy
9:40 - 11:00 PM	Del Mar	<i>Opening Reception</i>
Friday, Jan. 31		
7:30 - 9:00 AM	Ventana	<i>Breakfast</i>
9:00-12:20	Shell	Session II: Chair Amanda Mifflin
9:00 - 9:40	Shell	Sean Roberts Semiconductor Junctions for Photon Up and Downconversion: From Nanocrystals to Bulk Solids
9:40 - 10:00	Shell	Xinyi Jiang Correlated Ultrafast Microscopic Study on the Dielectric Confinement in Two-dimensional Perovskites
10:00 - 10:40	Shell	Jahan Dawlaty Vibrational Spectroscopy Studies of Local Field and Specific Interactions Near Electrochemical Interfaces
10:40 - 11:00	Shell	<i>Coffee break</i>
11:00 - 11:40	Shell	Julianne Gibbs Understanding the Influence of Salt and pH on the Structure of the Silica/Water Electric Double Layer Using Vibrational SFG and Streaming Current Measurements
11:40 - 12:00	Shell	Jackson Wagner Water Absorption at Interfaces of Metal Organic Frameworks Revealed by Sum-frequency Generation Spectroscopy
12:00 - 12:20	Shell	Aashish Tuladhar Probing Mica-aqueous Interface Using Vibrational Sum Frequency Generation Spectroscopy
12:20 - 1:30 PM	Beach	<i>Lunch</i>
1:30 - 5:00		Free Time
3:00 - 4:30	Shell	<i>Students and Postdoc Only Session</i>
5:00 - 9:00	Shell	Session III: Chair Jeff Cina
5:00 - 5:40	Shell	Kerri Pratt Atmospheric Bromine Chemistry Leading to Mercury and Ozone Depletion
5:40 - 6:00	Shell	Yoon (James) Lee High-temperature Fast-flow Reactor for the Study of Radical-Radical Reactions
6:00 - 7:00	Ventana	<i>Dinner</i>
7:20 - 8:00	Shell	Mitchio Okumura Applications of Mid-infrared Frequency Combs to the Spectroscopy and Kinetics of Gas Phase Radicals
8:00 - 8:20	Shell	Dhirendra Pratap Singh Resonance Enhanced Multiphoton Photoelectron Circular Dichroism (REMPE-PCD) of Monoterpenes
8:20 - 9:00	Shell	Mark Johnson Unraveling the Spectroscopic Wonders of Water with Two-color IR-IR Spectroscopy of Temperature Controlled, Size-selected Water Cages
9:00 - 11:00 PM	Del Mar	<i>Poster Session A</i>
Saturday, Feb. 1		
7:30 - 9:00 AM	Ventana	<i>Breakfast</i>
9:00-12:20	Shell	Session IV: Chair James Patterson
9:00 - 9:40	Shell	Louis Haber Monitoring Growth Dynamics of Colloidal Plasmonic Nanoparticles Using In Situ Second Harmonic Generation and Extinction Spectroscopy
9:40 - 10:00	Shell	Elisa Biasin Probing Ultrafast Solvation Dynamics Upon Photoinduced Electron transfer in Transition Metals Mixed-valence Molecules with X-ray Scattering
10:00 - 10:40	Shell	Heather Lewandowski Understanding Mechanisms of Cold Ion-Molecule Reactions
10:40 - 11:00	Shell	<i>Coffee break</i>
11:00 - 11:40	Shell	Francesco Paesani Data-driven Many-body Models for Vibrational Spectroscopy
11:40 - 12:00	Shell	David Hoffman Distinguishing Heterogeneous H-bond Dynamics with Polarization Selective 2D IR
12:00 - 12:20	Shell	Zeke A. Piskulich Bringing Supercooled Water in from the Cold: Signatures at Room Temperature
12:20 - 1:30 PM	Beach	<i>Lunch</i>
1:30-2:10	Shell	<i>Optional Information Session:</i> Askar Fahr ACS PRF Grant Opportunities
2:10 - 5:00		Free Time
5:00 - 9:00	Shell	Session V: Chair David Osborn
5:00 - 5:40	Shell	Dan Neumark Attosecond Photochemistry
5:40 - 6:00	Shell	Alicia Hernandez-Castillo Electronic and Rotational Spectroscopy of Cold Chiral Molecules
6:00 - 7:00	Ventana	<i>Dinner</i>
7:20 - 8:00	Shell	Spiridoula Matsika Unraveling Excited State Dynamics and Spectroscopy in Organic Chromophores
8:00 - 8:20	Shell	Bing Gu Manipulating Conical Intersection Dynamics with Optical Cavities
8:20 - 9:00	Shell	Qiang Cui Diverse Roles of Interfacial Water: Buried Ion-pairs in Proteins, Temperature-sensation of Ion Channels and Nano-bio Interactions
9:00 - 11:00 PM	Del Mar	<i>Poster Session B</i>
Sunday, Feb. 2		
7:30 - 9:00 AM	Ventana	<i>Breakfast</i>
9:00 - 11:30	Shell	Session VI: Chair Elisabeth Wade
9:00 - 9:20	Shell	Sean Bresler Newly Resolved CaO - A'-X Transitions and Perturbations of the C-X Band System
9:20 - 9:40	Shell	Chelsea Liekhus-Schmaltz Ultrafast Charge Transfer in an Iron Ruthenium Mixed Valence Complex Probed with Time Resolved XANES and XES
9:40 - 10:00	Shell	Sohini Sarkar Electric Fields at Metal-Surfactant Interfaces: A Combined Vibrational Spectroscopy and Capacitance Study
10:00 - 10:05	Shell	<i>Closing Remarks</i>
10:05 - 10:35	Shell	Final Coffee Break / Checkout