Agenda
Thursday, January 23rd

8:30 am — Morning session begins in the Sand Dollar Room
Barbara Finlayson-Pitts: Announcements

Session Chair: Doug Tobias Presiding
8:35 to 9:15 — Anne McCoy; “How Large Amplitude Motions in Atmospheric and Astrochemical Molecules are Reflected in Their Spectra”
9:15 to 9:35 — Jaroslaw Kalinowski, M. Rasanen, R.B. Gerber; “Decomposition and Reaction Dynamics of Criegee Intermediates”
9:35 to 9:55 — Evangelos Miliordos and Sotiris Xantheas; “Biradical Species: Their Characterization and Importance in Atmospheric Particle Formation”

9:55 to 10:45 — Break and poster session in the Sand Castle Room
Session Chair: Benny Gerber Presiding
10:45 to 11:05 — Jordan Vincent, Ben Toulson, C. Murray, F. Furche; “Probing Methylamine Photochemistry by Velocity-Map Ion Imaging and Non-Adiabatic Molecular Dynamics Simulations”
11:05 to 11:20 — Scot Martin; “Heterogeneous Chemistry Leading to SOA Production During Isoprene Oxidation”
12:00 to 12:15 — Scott Epstein and Sergey Nizkorodov; “Photochemistry in Atmospheric Condensed Phases: Effect on Aerosol Concentration and Chemical Composition”

12:15 to 2:00 — Catered lunch on the 15FiftyFive Terrace
Session Chair: Donald Dabdub Presiding
2:00 to 2:20 — Alex Laskin, J. Laskin, S. Nizkorodov, et al.; “Molecular Characterization of Brown Carbon—What Can Be Learned and How?”
2:40 to 2:55 — Carla Kidd, V. Perraud, L. Wingen, B.J. Finlayson-Pitts; “Integrating Phase and Composition of Secondary Organic Aerosol from the Ozonolysis of α-Pinene”
2:55 to 3:35 — Murray Johnston; “Chemical Composition of Ambient Nanoparticles”
4:05 to 4:20 — Zeev Rosenzweig; “Some Comments from a Long-Time Observer”
4:20 — Close of workshop; Barbara Finlayson-Pitts

5:30-6:00 pm — Dinner for invited speakers, faculty, international and DOE lab collaborators, and invited guests at Las Brisas Restaurant, located at 561 Cliff Drive (at the corner of Pacific Coast Highway)
Agenda

Wednesday, January 22nd

8:30 am — Opening session begins in the Sand Dollar Room
Barbara Finlayson-Pitts: Welcome and Introduction

Session Chair: John Hemminger Presiding
8:40 to 9:20 — David Nesbitt, "Fishing for Excess Ions at the Gas-Liquid Interface: A Quantum State-Resolved Approach"
9:20 to 9:40 — Sampsa Riikonen, L. Halonen, R.B. Gerber; "Ionization of Acids at the Liquid-Like Layer on Ice"
9:40 to 10:00 — Chris Mundy, M. Baer, A. Stern, D.J. Tobias; "Ten Years of Simulating the Air-Water Interface: Past, Present, and Future"

10:00 to 10:15 — Poster summaries

10:15 to 11:00 — Break and poster session in the Sand Castle Room
Session Chair: Craig Murray Presiding
11:00 to 11:20 — Evangelos Miliordos and Sotiris Xantheas; "The Mechanism Behind the Stabilization of Multi-Charged Cations in an Aqueous Environment: Relative Shifts of the Various Electronic States During Microhydration of Mg²⁺, Ca²⁺, Fe²⁺, Al³⁺ and Fe³⁺"
11:40 to 11:55 — Krista Parry, A. Stern, J.C. Hemminger, D.J. Tobias; "Toward Direct Comparison of Ion Distributions at the Air-Water Interface from XPS Data and MD Simulations"

11:55 to 1:30 — Group photo, catered lunch on the 15FiftyFive Terrace

Session Chair: Sergey Nizkorodov Presiding
1:30 to 2:10 — Vicki Grassian; "Toward a Greater Understanding of the Atmospheric Chemistry and Impacts of Mineral Dust and Sea Spray Aerosols Through Laboratory Studies"
2:10 to 2:30 — Garold Murdachaev, M.P. Gaigeot, L. Halonen, R.B. Gerber; "Acid Ionization on Wet Silica"
2:30 to 3:10 — Martina Havenith; "Solvation—New Insights by THz Spectroscopy"
3:30 to 4:15 — Break and poster session in the Sand Castle Room
Session Chair: Filipp Furche Presiding
4:15 to 4:35 — Scott Hollingsworth, Theresa McIntire, A. Stern, J.C. Hemminger, D.J. Tobias; "Vibrational Spectroscopy of Water in Defects of SAMs"
4:35 to 4:55 — Michael Makowski, A. Stern, Kathryn Perrine, M. Van Spyk, B. Winter, J.C. Hemminger, D.J. Tobias; "Concentration-Dependent Distribution and Orientation of Acetonitrile at the Air-Water Interface"
4:55 to 5:15 — Martina Roeselová; "Mixed Aromatic-Aliphatic Films at the Air-Water Interface"

6:00 pm — Dinner for all workshop attendees in the Pelican Room

Affiliations of Collaborators, Guests, and Invited Speakers

- Donald Baer: Pacific Northwest National Laboratory
- Marcel Baer: Pacific Northwest National Laboratory
- Allison Campbell: Pacific Northwest National Laboratory
- Lambert Doezema: Loyola Marymount University
- Jean Futrell: Pacific Northwest National Laboratory
- Vicki Grassian: University of Iowa
- Audrey Hammerich: University of Illinois, Chicago
- Martina Havenith: Ruhr-University Bochum; Germany
- Murray Johnston: University of Delaware
- Jarodaw Kalinowski: University of Helsinki, Finland
- Alexander Laskin: Pacific Northwest National Laboratory
- Theresa Longin: University of Redlands
- Scot Martin: Harvard University
- Anne McCoy: The Ohio State University
- Evangelos Miliordos: Pacific Northwest National Laboratory
- Christopher Mundy: Pacific Northwest National Laboratory
- Garold Murdachaev: University of Helsinki, Finland
- David Nesbitt: University of Colorado, Boulder
- Paul Nissenson: California State Polytechnic University, Pomona
- Leon Phillips: University of Canterbury, New Zealand
- Sampsa Riikonen: University of Helsinki, Finland
- Martina Roeselová: Academy of Sciences, Czech Republic
- Zeev Rosenzweig: University of Maryland
- Bernd Winter: Helmholtz Zentrum Berlin, Germany
- Sotiris Xantheas: Pacific Northwest National Laboratory
- Alla Zelenyuk: Pacific Northwest National Laboratory