Schedule of Presentations

Friday, January 23

3:30 PM           CHECK-IN AND ROOM ASSIGNMENTS

6:30-7:30        DINNER

SESSION I       Presider: Paul G. Wenthold


8:05 - 8:30   “Importance of the Geometry and Electronic Structure in the Reactivity of Fe$_n^+$ Clusters with ND$_3$.”, Rohana Liyanage, James B. Griffin and Peter B. Armentrout, University of Utah, Salt Lake City, UT.

8:30 - 8:55   “The Binding of B$^+$ and Al$^+$ to Small Ligands: Cluster assisted Sigma Bond Activation and Other Issues.”, Paul Kemper, Patrick Weiss, John Bushnell and Michael T. Bowers, University of California, Santa Barbara, CA.

8:55 - 9:20   “Ion-Molecule Studies of VS$^+$.”, Chad Rue, I. Kretschmar, D. Schroder and P. B. Armentrout, University of Utah, Salt Lake City, UT.

9:20 - 10:30   POSTER SESSION
Saturday, January 24

8:00 - 8:30 BREAKFAST

SESSION II Presider: Mary T. Rodgers

8:30 - 8:55 “Chiral Differentiation in the Host Exchange Reaction of Cyclodextrin Complexes.”, Javier Ramirez, Fei He and C. B. Lebrilla, University of California, Davis, CA.


9:20 - 9:45 “New Results in Gas-Phase Host-Guest Chemistry.”, David V. Dearden, Brigham Young University, Provo, UT.

9:45 - 10:10 “Evaporation of Water from Biomolecules and Hydration Enthalpies of Doubly Charged Metal Ions Measured by Blackbody Infrared Radiative Dissociation.”, Sandra E. Rodriguez-Cruz, Rebecca A. Jockusch and Evan R. Williams, University of California, Berkeley, CA.

10:10 - 10:20 BREAK


11:35 - 12:00 “A Differentially Heated Capillary for the Dissociation of Gas-Phase Inclusion Complexes.”, Fei He, Javier Ramirez and C. B. Lebrilla, University of California, Davis, CA.

12:00 - 2:30 LUNCH AND FREE TIME
SESSION III  Presider: Seung Koo Shin

2:30 - 2:55  “Competitive Dissociation in the Low-Energy CID of n-Butylbenzene.”, F Muntean and P. B. Armentrout, University of Utah, Salt Lake City, UT.
3:20 - 3:45  “Methane Activation by Late First Row Transition Metal Ions: the Role of the Cyclopentadienyl Ligand.”, Petra van Koppen, Catherine J. Carpenter, Jason Perry, Patrick Weiss, Paul Kemper and Michael T. Bowers, Department of Chemistry, University of California, Santa Barbara, CA.
3:45 - 4:10  “Binding Energies of Palladium Carbonyl Cluster Anions Pd₃(CO)₆⁻,”, Vassil A. Spasov and Kent M. Ervin, University of Nevada, Reno, NV.
4:10 - 4:20  BREAK
4:45 - 5:10  Gas Phase Reactions of MCl+ (M = Ca, Sr, Ba) with Dioxane Derivatives: Evidence of Regioselective Proton Loss in Cyclic Polyethers.”, T. D. Miles and S. K. Shin, University of California, Santa Barbara, CA.
5:10 - 5:35  “Catalytic Oxidation of Carbon Monoxide by Platinum Cluster Anions.”, Yang Shi and Kent M. Ervin, University of Nevada, Reno, NV.
5:35 - 6:00  “Relative Acidity of Alkanes Determined from Product Branching Ratios.”, Jason Wong and John I. Brauman, Stanford University, Stanford, CA.
6:30 - 8:00  DINNER
8:00 - 9:00  SATURDAY EVENING LECTURE: Peter B. Armentrout, "Personal Perspectives on the Development of Guided Ion Beam Chemistry"
9:00 - 12:00  POSTER SESSION AND PARTY
Sunday, January 25

8:00 - 8:45 BREAKFAST

SESSION IV Presider: David V. Dearden

8:45 - 9:10 “Dynamics, Structure and Energetics of Synthetic Polymers.”, Jennifer Gidden, Joe Batka, Thomas Wytenbach and Michael T. Bowers, Department of Chemistry, University of California, Santa Barbara, CA.


9:35 - 10:00 “Atmospheric Heterogeneous Chemistry from a Single Particle Perspective.”, Eric E. Gard, Michael J. Kleeman, Deborah S. Gross, Lara S. Hughes, Jonathan O. Allen, Bradley D. Morrical, David P. Fergenson, Tas Dienes, Markus E. Gaelli, Robert J. Johnson, Glen R. Cass and Kimberly A. Prather, University of California, Riverside, CA

10:00 - 10:10 BREAK

10:10 - 10:35 “Are Alkali Metal-Arginine Complexes Salt Bridges in the Gas Phase?”, Rebecca Jockusch, William Price and Evan R. Williams, University of California, Berkeley, CA.

10:35 - 11:00 “Potential Energy Surfaces of Hydrogen Bonded Intermediates.”, Michael Chabinyc and John I. Brauman, Stanford University, Stanford, CA.

11:00 - 11:25 “The Use of Collision-Induced Dissociation for Determination of Specific Structural Motifs in Oligosaccharides - A Method for Complete Structural Elucidation in Picomolar Levels.”, K. Tseng and C. B. Lebrilla, University of California, Davis, CA.

11:25 - 12:00 CHECK OUT

12:00 - 1:00 LUNCH AND DEPART
POSTERS:

1. “Analysis of Some Oxidized Nine-Carbon Alkenes with the LCQ Ion Trap Mass Spectrometer”, Kevin Crellin, Finnigan, San Jose, CA.
2. “Preliminary Results on a Linear Sector-TOF JEOL Tandem Mass Spectrometer.”, Jeffrey O. Finch, Charles Martin, Arpad Somogyi and Vicki H. Wysocki, University of Arizona, Tucson, AZ.
4. “Steric Effects and S_N2 Reactions”, Colleen K. Regan and John I. Brauman, Stanford University, Stanford, CA.
5. “Hydrogen Atom Abstraction by S_2 as A Probe for Hydrocarbon Radical Thermochemistry.”, Katarzyna Rempala and Kent M. Ervin, University of Nevada, Reno, NV.
6. “Proton Transfer Reactions in a Series of Alcohols.”, Vincent F. DeTuri, Moon Su, and Kent M. Ervin, University of Nevada, Reno, NV.
7. “State Selected Studies of the Reactions of NH_3^+(nu_1,nu_2) with Simple Hydrides.”, John C. Poutsma, Michael Everest and Richard N. Zare, Stanford University, Stanford, CA.
8. “Computational Studies of the Negative Ion of Trimethyleneethene.”, Paul G. Wenthold, Texas Tech University, Lubbock, TX.
10. “Gas-Phase Ion Dissociations: MIKE Spectra and KER Distributions.”, Glenn Smith and Julie Leary, University of California, Berkeley, CA.
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