



ADVANCED PARTICLE IMAGING TECHNIQUES

1986-2016 AND BEYOND

Sunday, August 7

5:00 – 8:00 PM **Registration**

Monday, August 8

Morning Moderator: David Chandler

8:45 – 8:50 AM **Announcements**

8:50 – 9:20 AM **Dan Neumark** Slow electron velocity-map imaging of cryogenically cooled anions

9:20 – 9:50 AM **Lai-Sheng Wang** Photoelectron Imaging: From Multiply-Charged Anions to Ultracold Anions

9:50 – 10:20 AM **Coffee Break**

10:20 – 10:50 AM **Andrei Sanov** Underemployed and looking for action: The plight of unpaired electrons in radicals and diradicals via anion photoelectron imaging

10:50 – 11:20 AM **Toshinori Suzuki** Full observation of cascaded radiationless transitions from $S_{2}(\pi, \pi^*)$ state of pyrazine using ultrafast VUV photoelectron imaging

11:20 – 11:50 AM **Christian Bordas** Recent Advances in Photoionization Microscopy

Evening Moderator: Claire Vallance

7:40 – 8:00 PM **Hot Topic: Samer Gozem** Photoelectron Spectra and Photoelectron Angular Distributions From Correlated Dyson Orbitals

8:00 – 8:30 PM **Michael Ashfold** Exploring photoinduced ring-opening

8:30 – 9:00 PM **William Jackson** Rotational dependence of the spin-orbit branching ratios of $N(2D_{3/2})$ and $N(2D_{5/2})$ states from the VUV photodissociation of state-selected N_2

9:00 – 10:30 PM **Poster Session**, odd numbered posters, authors A-M

Tuesday, August 9

Morning Moderator: Michael Ashfold

9:00 – 9:10 AM **Announcements**

9:10 – 9:40 AM **Simon North**, Stereodynamics in Roaming Reactions: A New Window into the Study of Bimolecular Abstraction Reactions

9:40 – 10:20 AM **Coffee Break**

10:20 – 10:40 AM **Hot Topic: Chi-Kung Ni**, An Old Dog with New Tricks: The Advantage of Spatial Map Ion Imaging

10:40 – 11:10 AM **Andrew Orr-Ewing**, VMI measurements and computational simulations of Cl-atom reactions with alkenes

11:10 – 11:40 AM **Roland Wester**, Dynamics of ion-molecule reactions by crossed-beam velocity map imaging

Evening Moderator: George McBane

7:40 – 8:00 PM **Hot Topic: Kasra Amini**, Probing Ultrafast Chemical Dynamics by Time-Resolved Ion Imaging using the Pixel Imaging Mass Spectrometry (PIImMS) camera

8:00 – 8:30 PM **Claire Vallance**, Multimass imaging with event-triggered sensors

8:30 – 9:00 PM **Motoyoshi Nakano**, Ion imaging study of photofragments from mass-selected cluster ions with double linear reflectron mass spectrometers

9:00 – 10:30 PM **Poster Session**, odd numbered posters, authors N-Z

Organized by David W. Chandler & Paul L. Houston



Hosted by Telluride Science Research Center

www.telluridescience.org

Mark Kozak, TSRC Executive Director, 970 708 4426

Wednesday, August 10

Morning Moderator: Bob Continetti

8:45 – 8:50 AM **Announcements**

8:50 – 9:20 AM **Marcel Drabbels**, Imaging translational motion in superfluid helium nanodroplets

9:20 – 9:50 AM **Theofanis Kistopoulos**, CO oxidation on Pt(111): Deciphering the second mechanism using Slice Imaging

9:50 – 10:20 AM **Coffee Break**

10:20 – 10:50 AM **David Parker**, Imaging at Ice Surfaces

10:50 – 11:10 AM **Hot Topic: Frank Stienkemeier**, Time-Resolved XUV-induced Electron Solvation Dynamics in Water Clusters

11:10 – 11:40 AM **Itzik Ben-Itzhak**, Coincidence three-dimensional momentum imaging of sequential (delayed) three-body fragmentation

Evening Moderator: David Parker

6:00 – 8:00 PM **BBQ Picnic/Cash Bar**

8:00 – 8:30 PM **Robert Continetti**, Coincidence Imaging Studies of Dissociation Dynamics with Fast Ion Beams

8:30 – 9:00 PM **Balint Sztaray**, Combustion Reactions Followed by Photoelectron Photoion Coincidence Spectroscopy: CRF-PEPICO

9:00 – 10:30 PM **Poster Session**, even numbered posters, authors A-M

Thursday, August 11

Morning Moderator: Arthur Suits

8:45 – 8:50 AM **Announcements**

8:50 – 9:20 AM **Thomas Weinacht**, Strong Field Molecular Ionization Viewed with Coincidence Velocity Map Imaging

9:20 – 9:50 AM **Wen Li**, Attosecond spectroscopy with 3D coincidence imaging

9:50 – 10:20 AM **Coffee Break**

10:20 – 10:50 AM **Bas Van Der Meerakker**, Taming Molecular Collisions

10:50 – 11:20 AM **Eckart Wrede**, Imaging and trapping of cold SH/SD radicals produced via the photostop technique

11:20 – 11:50 AM **Henrik Stapelfeld**, Laser-induced alignment of molecules in He-nanodroplets: Revivals, long-time coherence and breaking-loose

Evening Moderator: Mark Brouard

7:40 – 8:00 PM **Hot Topic: E. Krishnakumar**, Coherent excitation and symmetry breaking in dissociative electron attachment to molecular hydrogen

8:00 – 8:30 PM **Luis Banares**, A velocity map and slice imaging study of the photodissociation of the methyl radical from the 3s and 3pz Rydberg states

8:30 – 9:00 PM **Matt Costen**, Polarization Resolved Stereodynamics of Rotational Energy Transfer in Collisions of NO(A) with Rare Gases and Molecules

9:00 – 10:30 PM **Poster Session**, even numbered posters, authors N-Z

Friday, August 12

Morning Moderator: Paul Houston

8:45 – 8:50 AM **Announcements**

8:50 – 9:20 AM **Mark Vrakking**, Ultrafast molecular imaging

9:20 – 9:50 AM **Daniel Rolles**, Imaging charge transfer and nuclear dynamics in polyatomic molecules

9:50 – 10:20 AM **Coffee Break**

10:20 – 10:50 AM **Arthur Suits**, FinA – A Reconstruction Method for Sliced Images and a Detailed Investigation of Slice Imaging Performance

10:50 – 11:20 AM **Vinod Kumarappan**, Orientation Resolution from Rotational Coherence Spectroscopy

11:20 – 11:50 AM **Mark Brouard**, Photo-induced dynamical studies using the fast imaging PIImMS camera