

Lineberger Symposium Poster Session (May 27, 2025 Version)

	Name/Email	Title	Author(s) and Affiliation(s)
#1	John Fourkas fourkas@umd.edu	The Breakdown of the Electrical Double Layer Model in Polar Aprotic Solvents	Amanda Souna, Siddharth Singh, Ovuokenye Omadoko, Jason D. Tran, John T. Fourkas University of Maryland, College Park Jake W. Polster, Savannah Silva, Rachel A. Lucas, Ethan Cao, Zuzanna Siwy University of California, Irvine Mohammad Hossein Motevaselian University of Illinois, Urbana-Champaign Narayana Aluru University of Texas, Austin
#2	Fuminori Misaizu misaizu@tohoku.ac.jp	Gas-phase ion-chemistry research at Tohoku Univ. Japan - Following Carl's experimental techniques	Fuminori Misaizu Department of Chemistry, Graduate School of Science Tohoku University, Japan
#3	Gereon Niedner-Schatteburg gns@rptu.de	Morphology and Activity of Transition Metal Clusters	Gereon Niedner-Schatteburg Department of Chemistry and State Research Center OPTIMAS, RPTU Kaiserslautern-Landau, Germany
#4	Payten Harville payten.harville@yale.edu	Kinetics and thermochemistry in a temperature controlled, radiofrequency ion trap using time-resolved vibrational photobleaching: A case study of the "tag isomers" in the Py-CH ₂ -COOH ⁺ ·D ₂ cation	Payten A. Harville, Erica L. Bocanegra, Madeeha Salik, Mark A. Johnson Department of Chemistry Yale University
#5	Charles Nichols charlesnicholsphd@gmail.com	Untargeted Lipidomics for an Ovarian Cancer Liquid Biopsy	Charles M. Nichols ¹ , Rachel Culp-Hill ¹ , Collin Hill ¹ , Moises Zapata ¹ , James Robert White ² , Robert A. Law ¹ , Enkhtuya Radnaa ¹ , Brendan Giles ¹ , Maria Wong ¹ , Connor Hansen ¹ , Mattie Goldberg ¹ , Vuna Fa ¹ , Abigail McElhinny ¹ ¹ AOA Dx, Denver, CO ² Resphera Biosciences, Baltimore, MD

#6	David Osborn dlosbor@sandia.gov	PhotoElectron Photolon COincidence Imaging: New Physical Insights from Sandia National Laboratories	Kyung Chul Woo, ^a Jared Echternach, ^a David L. Osborn ^{a,b} ^a Combustion Research Facility, Sandia National Laboratories, Livermore, CA ^b Department of Chemical Engineering, University of California, Davis, Davis, CA
#7	Caroline Dessent caroline.dessent@york.ac.uk	Electrostatically Tuning the Photostability of Avobenzone by Alkali Metal Cation Binding	Cate S. Anstoter, ^a Sarah A. Wilson, ^a Natalie G. K. Wong, ^a Giel Bedern, ^b Jos Oomens, ^b Anouk Rijs, ^b Caroline E. H. Dessent ^a ^a Department of Chemistry, University of York, UK ^b FELIX Laboratory, Institute for Molecules and Materials, Radboud University, The Netherlands
#8	David Farrelly david.farrelly@gmail.com	What is Microscopic Superfluidity? Insights from a Lieb-Liniger model of quantum solvation in CO- ⁴ He _N clusters	D. Farrelly, ^{1,2} M. Iñarrea, ³ V. Lanchares, ¹ J. P. Salas ³ ¹ Departamento de Matemáticas y Computación, Universidad de La Rioja, Spain ² Department of Chemistry and Biochemistry, Utah State University, Logan, Utah ³ Área de Física Aplicada, Universidad de La Rioja, Spain
#9	Nathan Hammer nhammer@olemiss.edu	Applications of the cluster model for determining local structural motifs in strongly interacting homo- and heterogeneous liquids	Nathan I. Hammer University of Mississippi (Ole Miss)
#10	Erica Bocanegra erica.bocanegra@yale.edu	Isomers and band assignments in the cryogenic vibrational spectra of protonated formic acid complexes with D ₂ , N ₂ , and H ₂ O using two color, IR-IR photobleaching	Erica L. Bocanegra, ^a Abhijit Rana, ^a Anne B. McCoy, ^b Mark A. Johnson ^a ^a Department of Chemistry, Yale University ^b Department of Chemistry, University of Washington
#11	Denver Talley denver.talley@colorado.edu	Investigating Photodissociation Mechanisms and Photoproducts of Polycyclic Aromatic Hydrocarbon Cations"	Denver Talley, ^{1,2} Jerry Kamer, ⁴ Jordy Bouwman ^{1,2,3} ¹ Department of Chemistry, University of Colorado, Boulder ² Laboratory for Atmospheric and Space Physics, University of Colorado, Boulder ³ Institute for Modeling Plasma, Atmospheres and Cosmic Dust (IMPACT), NASA/SSERVI, Boulder ⁴ Laboratory for Astrophysics, Leiden Observatory, Leiden University, The Netherlands

#12	Abhijit Rana abhijit.rana@yale.edu	Microcanonical Kinetics of Water-Mediated, Long Range Proton Transfer in Microhydrated 4-Aminobenzoic Acid: Tempest in a Cluster Teapot	Abhijit Rana, Payten Harville, Thien Khuu, Mark A. Johnson Department of Chemistry, Yale University R. Allen LaCour, Teresa Head-Gordon University of California, Berkeley
#13	Madeeha Salik madeeha.salik@yale.edu	Electric field effects of the binding location of Cs ⁺ to glycine identified using two-color, IR-IR photobleaching of the cryogenically cooled and D ₂ -tagged complex	Erica Bocanegra, Abhijit Rana, Madeeha Salik, Mark Johnson Department of Chemistry Yale University