

Doctoral Thesis Titles for Students Supervised
by
Paul L. Houston

1979	Arthur J. Grimley	Studies of Electronic to Vibrational Energy Transfer from Excited Iodine and Bromine Atoms
1979	Christopher Neil Plum	Photochemistry of Several Small Polyatomics Induced by a Pulsed CO ₂ Laser
1980	Marianne Petersen Roellig	Photodissociation of Trifluoronitrosomethane
1980	William Gregg Hawkins	Photolysis studies of hydrazine and hydrogen sulfide
1981	David Francis Muller	Quenching Studies of Laser Excited O ₂
1982	Anthony T. Young	The Collisional Quenching of Electronically Excited Iodine Atoms by Molecular Oxygen
1983	Robert David Bower	Photodissociation from Selected Vibronic Levels of Trifluoronitrosomethane
1984	Hyung-Rae Kim	Photodissociation Dynamics of Sulfur Dioxide
1984	James Anthony Misewich	Vibrational Relaxation During Gas-Surface Collisions
1986	Robert John Hamers	Rotationally and Translationally Inelastic Scattering of Nitric Oxide from Iridium(111)
1986	Natarajan Sivakumar	Photodissociation Studies of OCS and ICN
1988	David Brewster Oakes	Energy Transfer and Adsorption Kinetics in the Nitric Oxide/Iridium(111) System
1989	Rachel Ruth Ogorzalek	Multiphoton Ionization Investigations of the Photodissociation of Methyl Iodide and the Spectroscopy of Molecular Oxygen
1989	Karen Ann Trentelman	Dynamics of Sequential Versus Simultaneous Multi-bond Photodissociation Reactions
1989	Jeanne Carol Sawicki	Vibrational Relaxation of Carbon Dioxide at Lithium Fluoride(100) and Aluminum Oxide Surfaces
1990	Charlie Elliott Murton Strauss	Correlated Photodissociation Dynamics of Small Molecules: Carbonyl Sulfide and Carbon Suboxide
1990	George Clyde McBane, III	Inelastic Collisions on Attractive Potential Surfaces: Excitation of Carbon Monoxide by Fast Hydrogen Atoms and Quenching of Excited Sulfur Atoms by Nitrogen
1990	John Astor Cleveland	Detection of the Methyl Radical
1992	Denis Paul Masson	A Molecular Beam Study of the Sticking and Dissociation of Ammonia on W(110) and Pt(100)-hex
1992	Vincent Peter Hradil	Two-Dimensional Imaging of Photodissociation Products

1993	Lizla Soco Bontuyan	State-Resolved Differential Cross Sections for Inelastic Collisions between Argon and Nitric Oxide by Ion Imaging
1993	Guijuan Nan	Elastic and Inelastic Scattering of S(¹ D) and the Triplet Channel in the Half Scattering of OCS Photodissociation at 222 nm
1994	David William Neyer	Quantum State Resolved Photodissociation Dynamics of the Formyl Radical
1995	Robin Lynn Miller	Photodissociation Dynamics of Atmospherically Important Molecules: Carbon Dioxide and Ozone
1997	Deirdre Ann Belle-Oudry	Studies of Fundamental Processes Important in the Combustion of Chemical Warfare Agent Simulant and Precursor Molecules
1998	Larry Lee Springsteen	Studies of Vacuum Ultraviolet Laser Probing of Gas-Surface Interactions and Gas Phase Photodissociation Reactions
1998	Julie Alexandra Mueller	Photodissociation and Energy Transfer: Probing Chemical Interactions Using Ions and Rydbergs
1999	Laura Marie Dobeck	Photodissociation Dynamics of Glyoxal: Evidence for the Channel Producing H ₂ + 2 CO
2000	Michael Scott Westley	Molecular Beam Studies of Inelastic and Reactive Scattering
2001	Stephen Gómez Díaz	Photodissociation Dynamics of the NCO Free Radical
2001	Scott Dylewski	Photodissociation of Ozone in the Hartley Band
2002	Jason Arthur Barron	Supramolecular chromophores: Photophysics and Electroluminescent Applications
2003	Bogdan Radu Cosofret	Photofragment Ion Imaging in Photodissociation Dynamics: Studies of Sulfur Dioxide, Nitrous Oxide and Nitric Oxide
2003	Amitavikram A. Dixit	Ion Imaging Studies of Molecular Scattering and Photodissociation
2011	David Yokdiong Lee	Methyl Elimination Channel of the Photodissociation of Allyl Radical: Semi-Classical Simulation and Velocity-Map-Imaging
2011	Onur Tokel	Photodissociation and O(¹ D) reactions of nitrous oxide
2013	Clarice Kelleher (Ulrich)	An Imaging Study of the Photodissociation of Ozone in the Huggins Band and O(¹ D) Reaction and Deactivation
2014	Benjamin Richard Strangfeld	Angular Distribution of the Products of Nitric Oxide Dissociation through Rydberg States and High Resolution Coherent Three Dimensional Spectroscopy of Bromine