

**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 <sub>2</sub> 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 <sub>2</sub>
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(<sup>1</sup>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<sub>2</sub> + 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