

Invited Talks

- Electron Collisions Workshop, Belfast, Northern Ireland, 1976
- International Symposium on the Quantum Theory of Atoms, Molecules, and Solids, Sanibel Island, Florida, January 1977.
- X International Conference on the Physics of Electron and Atomic Collisions, Paris, France, 1977.
- Five Problems in Electron-Molecule Collisions, Orsay, France, 1977.
- Electron Molecule Collision Workshop and Asymptotic Methods in Electron Atom/Molecule Scattering, Daresbury Laboratory, UK, 1979.
- University of Bari, Italy, 1979.
- Electron Atom/Molecule Workshop, University of Bielefeld, West Germany, 1980.
- Few-Body Problems in Physics, Gordon Conference, 1981.
- DEAP, Boulder, Colorado, May 1983.
- Electron-Molecule Processes, Rome, Italy, 1983.
- SERC Workshop on Electron Scattering, University College, London, December 1983.
- University of Paris South, Orsay, France, 1983 (two talks).
- American Chemical Society Symposium on Resonances in Collision Processes, St. Louis, 1984.
- Department of Physics, Louisiana State University, 1984.
- Chairman, Application of Supercomputers in Atomic and Molecular Physics, DEAP Workshop, Norman, Oklahoma, May 1985
- LURE, University of Paris South, Orsay, France, September 1986.
- Physics Dept., University of Kaiserslautern, West Germany, October 1986.

- Dept. of Physics, University of Oklahoma, November 1986.
- XV ICPEAC, Brighton, England, 1987.
- Physics Department, University of Heidelberg, 1988.
- Physics Department University of Freiburg, 1988.
- Physics Department University of Braunschweig, 1988.
- Physics Department, University of Kaiserslautern, 1988.
- Theoretical Chemistry Conference, Waldfischback, 1988.
- University of Minnesota Supercomputer Workshop on Practical Iterative Methods for Large Linear Systems, October 1988.
- Dept. of Physics, University of New Mexico, January 1989.
- Electron Molecule Satellite Conference, New Haven, Conn., 1989.
- NASA-Goddard Space Flight Center, December 1989.
- NIST, February 1990.
- Dept. of Physics, University of Maryland, April 1990.
- Gaseous Electronics Conference, October 1991.
- Dept. of Physics, Michigan State University, April, 1992
- Electron-Molecule Workshop, ITAMP, March, 1993
- Dept. of Physics, University of Virginia, April, 1993
- Dept. of Physics, University of Central Florida, March 1994
- DAMOP Washington, April, 1994
- Dept. of Physics, University of Missouri/Rolla, October, 1994
- Dept. of Chemistry, University of Southern California, October, 1994
- Department of Physics, Texas A&M University, November, 1994

- International Conference on the Application of Accelerators in Research and Industry, Denton, Texas, November, 1994
- Dept. of Physics, Florida A&M University, November, 1994
- Dept. of Physics and Astronomy, University of Oklahoma, December, 1994
- Dept. of Physics, Boston College, March, 1995
- Dept. of Physics, The University of Wisconsin, April, 1995
- Texas Section of APS, October, 1995
- Dept. of Physics, University of Nevada Reno, December, 1996
- Dept. of Applied Physics. Princeton University, February, 1997
- Queens University, Belfast. Festschrift for Professor P. G. Burke, October 1999
- ITAMP Workshop on Computational Methods in Atomic and Molecular Physics, May, 2000
- Physics Department, The University of Florida, April, 2001
- Physics Department, Old Dominion University, April, 2002
- ITAMP Workshop on Time-Dependent Methods in Quantum Mechanics, Harvard/ITAMP, May, 2002
- Physics Department, Boston College, May, 2002
- Old Dominion University, from the Atomic to the Nanoscale, December, 2002
- University of Arizona, Weinberg Symposium, Oct. 2003
- School of Computational Science, George Mason University, Feb. 2004
- Physics Department, Georgia Tech, November, 2004
- ITAMP Workshop on Attosecond Science, Harvard/ITAMP, April, 2005

- NASA-Goddard Workshop in Atomic Collisions, Greenbelt MD, November, 2006
- AURORA Supercomputing Conference, University of Vienna, June 18, 2007
- Technical University of Vienna, June 29, 2007
- National Institute for Computational Science, ORNL, June 2009
- Plenary Speaker, TeraGrid-DEISA Summer School on Computational Science, Catania, Sicily, October 2010
- George Mason School of Computational Science, September, 2010
- Pacifichem, Honolulu, Hawaii, December, 2010
- Institute for Physical Science and Technology, University of Maryland, February 2011
- Keynote Speaker, Oklahoma Supercomputing Symposium, October, 2011
- Keynote Speaker, UK Supercomputing Symposium, November, 2011
- Plenary Speaker, Conference on Computational Physics 2015, Guwahti, India

Grants

- NATO Grant to study Electron Molecule Collisions with L.A. Collins (Los Alamos) and Cliff Noble (Daresbury Laboratory, UK).
- IGPP Grant with N.T. Padial and J. Bellum, both at UNM Institute for Modern Optics for Photoionization and Photodissociation of Simple Molecular Species.
- Co-Principal Investigator on IGPP Grant to study Electronically Inelastic Scattering in Molecules of Atmospheric Interest.
- NATO Grant to study Vibrational Excitation and Dissociative Attachment in Diatomic Molecules with M. Le Dourneuf of Observatoire de Meudon, Paris, France

Reviewer

- Physical Review
- Reviews of Modern Physics
- National Science Foundation (National and International)
- Physical Review Letters
- Journal of Chemical Physics
- Chemical Physics Letters
- Journal of Physics B
- Europhysics Letters
- Department of Energy
- EPSRC UK
- Journal of Computational Physics