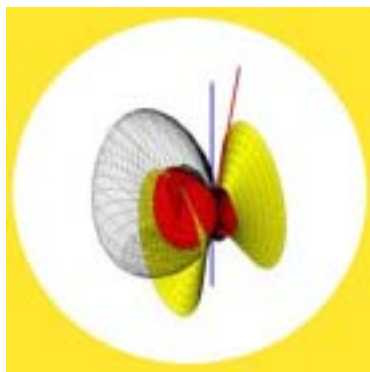


A publication for alumni, friends, faculty, and staff of the MSM-UMR Physics Department

UMR Physics Department Hosts Joint International Symposia on Electron Collisions



The UMR Physics department was the host for two international meetings on electron scattering this past summer. The first meeting, an "International Symposium on (e,2e), Double Photo-ionization, and Related Topics," and a second entitled, "The Eleventh International Symposium on Polarization and Correlation in Electronic and

Atomic Collisions" were held simultaneously on the Rolla campus from July 25 to July 28, 2001. Two UMR Physics faculty members, **Don Madison** and **Michael Schulz** served as local organizers and symposium chairmen. The two symposia brought together 115 scientists from 15 different countries working in a variety of different areas of atomic and molecular physics, including charged-particle impact ionization of atoms and molecules; the photo-ionization of atoms and molecules; and polarization and correlation effects in electronic and atomic collisions. The symposia included a stimulating selection of invited lectures which reviewed the state of the field, progress reports, and poster presentations on the most recent experimental and theoretical results in the field of atomic scattering physics. Other UMR participants at the meeting included faculty member **Bob DuBois**, Postdoctoral Associates **Stephen Jones** (BS '86, MS '95, Ph.D. '97) and **Khaldoun Khayyat**, Graduate Students **Liqun An**, **Andy Prideaux**, **Zhangjin Chen**, **Muzaffer Tabanli**, and **Junfang Gao**, and undergraduate students **Dominic Biava** (BS '01), **Matthew Foster**, and **Deepak Vaid**. Drs. DuBois and Schulz also presented invited talks. In addition to the scientific program, the participants were treated to scrumptious Missouri barbecue at the lovely garden residence of Don and **Lina Madison**, sight-seeing trips to several nearby attractions, and an exciting float trip along the Meramec river. The proceedings of the meeting have recently appeared in a conference volume published by the American Institute of Physics.

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Phonathon 2002

More than 170 alumni pledged \$13,875 in donations to the MSM-UMR Physics Department during last year's Fund-raising Phonathon with an average gift of \$77. The department greatly appreciates your generosity, which helps to support scholarships and student activities like the Society of Physics Students. "Your support makes such a difference to our department," says **Dr. Paul Parris**, Chair of Physics. "Scholarships are extremely important, and so are the student activities that your gifts support." Your support this year will be more important than ever in helping us attract great students to our department. This year, we will be calling our alumni **March 18-April 4**. When the phone rings, please take a moment to share some of your Rolla experiences with a current UMR student, and say, "Yes," when asked for a pledge. Taxpayer support accounts for only 40 percent of the university's revenue, so your contribution makes up an important part of the department's total income. Private funding also helps distinguish UMR from other universities, increasing the value of your education. Any amount you give will be appreciated. It will help make UMR a leader in alumni giving among public universities, and will help the Physics department fulfill its educational mission.