Spectroscopy and Dynamics on Multiple Potential Energy Surfaces

Organizers: Anne McCoy, Scott Reid, Trevor Sears and Michael Heaven

July 17-22, 2016

* TSRC Host: Mark Kozak, 970-708-4426
* Meeting venue address: Telluride Elementary School at 447 W Columbia Ave
* The Picnic address: Telluride Elementary School at 447 W Columbia Ave. 6:00 pm - 8:00 pm on Wednesday night
* The Town Talk address: Conference Center in Mountain Village 6-7 pm on Tuesday. Cash bar at 5:30 pm. About 30 minute commute from Elementary School to Conference Center.

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| Session Chair - Anne McCoy |  |
| Mon | 8:00-8:30 |  | Breakfast at TSRC meeting site |
| Mon | 8:30-8:40 |  | Welcome |
| Mon | 8:40-9:30  | Bob Continetti | Studies of the Dynamics of the F + HOCH3 → HF + OCH3 Reaction by Dissociative Photodetachment of F-(CH3OH) |
| Mon | 9:30-10:20 | Millard Alexander | Quantum chemistry trumps atomic physics in the F+H2 reaction at low energy |
| Mon | 10:20-10:45 | Break |   |
| Mon | 10:45-11:35 | Paul Dagdigian | The interaction of the CH radical with H atoms and H2: Potential energy surfaces and nonreactive collisions. |
| Mon | 11:35-12:25 | David Osborne | Inter system crossing and surprising products in the O(3P) + cyclopentene reaction |
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| Session Chair - Jinsong Zhang |  |
| Tues | 1:30-2:20 | Terry Miller | The Criegee Spectrum that Wasn’t or How to Make Lemonade When You Get Lemons |
| Tues | 2:20-2:45 | Break |   |
| Tues | 2:45-3:35 | Anne McCoy | Exploring connections between experiment and theory in hydrogen bonded systems |
| Tues | 3:35-4:25 | Scott Reid | Spectroscopy and Dynamics of Excimer Formation in Model pi-stacked Clusters and Assemblies |
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| Session Chair - Amy Mullin |  |
| Wed | 1:30-2:20 | Curt Wittig | TBD |
| Wed  | 2:20-3:10 | Trevor Sears | Spectroscopy and Kinetics of Ethynyl (CCH) radical |
| Wed | 3:10-3:30 | Break |   |
| Wed | 3:30-4:20 | Tim Steimle | Electronic Spectroscopy of SiHD and Heavy Metal Containing Molecules |
| Wed | 4:20-5:10 | Mike Heaven | Oxides and hypermetallic oxides of the alkaline earth metals: The path to ultra-cold molecular ions |
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| Session Chair-Jinjun Liu |  |  |
| Thurs | 1:30-2:20 | Craig Murray |  Photodissociation dynamics work. Probably OCS, but maybe some time-resolved work with acetone/acetaldehyde |
| Thurs  | 2:20-3:10 | Jinsong Zhang | topic: Photochemistry of the C4H7 radicals |
| Thurs | 3:10-3:30 | Break |   |
| Thurs | 3:30-4:20 | Amy Mullin | TBD |
| Thurs | 4:20-5:10 | Ken McKendrick | Dynamics at liquid surfaces may be interesting, but is it useful? |
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| Session Chair - Scott Reid |  |  |
| Fri | 8:30-9:00 |  | Breakfast at TSRC meeting site |
| Fri | 9:00-9:50 | Jinjun Liu | Energy level alignment and photoinduced ultrafast charge transfer processes in ligand-passivated CdSe nanoclusters and methyl ammonium lead bromide perovskite nanostructures |
| Fri | 9:50-10:15 | Break |   |
| Fri | 10:15-11:05 | Chris Elles | Nonlinear Excitation, Plasmon-Mediated Photochemistry, and Reactions on Multiple Surfaces |
| Fri | 11:05-11:55 | Luca Grisanti | Excited states in amyloid proteins: proton transfer and intrinsic fluorescence |