

Monday – May 16, 2016

(Fisher 101)

Session A Atoms and Molecules (Session Chair: Prof. Sam Trickey)

- 9.00 AM A. 1 Prof. Sam Trickey, University of Florida
“Introductory Remarks”
- 9.10 AM A. 2 Prof. Don Beck, Michigan Tech
“50+ Years in Atomic Physics”
- 9.30 AM A.3 Prof. Cleanthes Nicolaides, National Hellenic Research Foundation, Athens
“Time-resolved many-electron physics in atoms and molecules”
- 10.00 AM A. 4 Prof. Wes Walter, Denison University
“Rare Earth Negative Ions: The Periodic Table’s Wild, Wild South”

10.30 AM Coffee Break

Session Chair: Cary Chabalowski

- 11.00 AM A.5 Prof. Gordon Berry, University of Notre Dame
“The Coding of Donald Beck”
- 11.30 AM A.6 Prof. Dave Woon, University of Illinois Urbana-Champaign
*“Applications of Astrochemistry from Interstellar Gas and Icy Grain
Mantle Chemistry to Chemistry in the Atmospheres of Venus and
Titan”*

Noon Lunch – MUB

Session B Clusters, Surfaces and Crystals (Session Chair: Prof. John Vail)

- 1.30 PM B.1 Prof. Max Seel, Michigan Tech
“30+ Years of Theory of Clusters, Surfaces and Crystals at Michigan Tech”
- 1.45 PM B.2 Prof. Paul Bagus, University of North Texas
“Analysis of XPS Spectra: Insight into the Properties of Materials”
- 2.15 PM B.3 Prof. Sam Trickey, University of Florida
“Primordial Quantum Statistical Mechanics - Modern Forms and Uses”

2.45 PM Break Coffee (Session Chair: Prof. John Jaszczak)

- 3.15 PM B.4 Dr. Chris Woodward, AFRL, Dayton, OH
“Chemistry and Deformation: First Principles Studies of Local Plasticity”
- 3.45 PM B.5 Prof. Warren Perger, Michigan Tech
“Quantum Mechanical Calculations of Organic Molecular Crystals”
- 4.15 PM B.6 Dr. S. Gowtham, Michigan Tech
“From Punched Cards To Superior at Michigan Tech”

4.30 PM Tour – Seaman Mineral Museum, 1404 E. Sharon Avenue, Houghton.