UIC Department of Chemistry

Dynamics, Chemistry, and Lasers - A Scholarly Career
A symposium in honor of the contributions of Robert Gordon

Program Schedule, Monday, April 7, 2014, Cardinal Room, Student Center East, UIC

8:30 - 9:00 - Registration, Coffee, Greeting

9:00 – Welcome – *Luke Hanley*, Head of Chemistry, UIC
9:10 – *Lasers and Chemistry Beginnings*: *Eric Gislason*, UIC, Session Chair

9:15 – 9:55 - Dudley Herschbach, Harvard University, Cambridge, MA
Theoretical Prospects for Exotic Chemistry Induced by Superintense Lasers

10:00 – 10:35 - Sivaram Arepalli, National Institute of Aerospace, VA
Spectroscopic Measurements of Carbon Nanotubes for Energy

10:35-10:50 – Coffee Break

10:50 - Coherent Control, Session Chair
10:55 – 11:30 - Paul Brumer - University of Toronto, Toronto, Ontario, Canada
Developments in Molecular Excitation with Natural Incoherent Light

11:35 – 12:10 - Tamar Seideman - Northwestern University, Evanston, IL
New Directions in Strong Field Coherent Control

12:10 – 1:20 – Lunch Break (Box lunches provided for registrants)

1:30 – *Materials applications with lasers--Mike Trenary*, UIC, Session Chair

1:35 – 2:10 - Ken Beck, Pacific Northwest National Laboratory, Richland, WA
Nanoplasmonic Response in Metal/Insulator Interfaces: A Spectroscopic and Simulations Study

2:15 – 2:50 - Peter T.A. Reilly, Washington State University, Pullman, WA
Developing High Resolution Ultra High Mass Spectrometry - the Art of Herding Flying Elephants

2:50-3:10 – Coffee Break

3:10 – 3:45 - Valeria Kleiman - University of Florida, Gainesville, FL
Excited State Dynamics of Conjugated Molecules

3:50 – 4:40 - Robert Gordon, University of Illinois at Chicago
Controlling Matter with Light

4:45 – Closing comments, *Tim Keiderling*, UIC