Nanomechanics Workshop 2013
Frederick Seitz Materials Research Lab
University of Illinois at Urbana-Champaign
March 28, 2013

8:00    Registration and Continental Breakfast    MRL Great Hallway

All sessions are held in the Auditorium (Room 190) Engineering Sciences Building

9:00    Welcome Remarks    W. Wilson
9:05    Nanomechanics at MRL    T. Limpoco
9:20    Hysitron Nanomechanical Test Instruments    E. Magnuson
9:35    Basics of Nanoindentation    I. Jasiuk
10:00   Demo 1: Instrument Set-up, Indentation    Hysitron
10:30   Coffee Break    MRL Great Hallway
10:50   Basic Tribology    A. Polycarpou
11:15   Demo 2: Scratch, Wear, Friction    Hysitron
11:45   Basic Contact Mechanics    I. Chasiotis
12:10   Lunch, MRL Tours    MRL Great Hallway
1:00    Introduction to NanoDMA III    J. Schirer
1:15    Demo 3: Modulus Mapping    Hysitron
1:45    Testing Polymers and Bone    I. Jasiuk
2:20    Demo 4: Creep and Time-Temperature Experiments    Hysitron
2:50    Coffee Break    MRL Great Hallway
3:10    Introduction to AE Monitoring    M. Eriten
3:35    Demo 5: TriboAE    Hysitron
4:05    Thin Films Characterization    J. Schirer
4:30    Closing Remarks