Triple-Axis Tutorial Agenda
February 16, 2010

8:30  Coffee/Introductions
9:00  Welcome and Introduction (Jeff Lynn)
9:10  Triple-axis basics (Jeff Lynn)
     TAS technique
     Choice of Instrument
     Science examples
10:15 Break
10:30 Overview of triple-axis instruments at the NCNR (Songxue Chi)
     BT-7, BT-9, SPINS, MACS
10:45 Samples and Sample Environment—what you need (Deepak Singh)
     Elastic vs. Inelastic experiments
     Powders and single crystals
     Sample Environment equipment
11:00 Data Analysis—DAVE (William Ratcliff)
     Elastic scattering. Corrections to data
     Inelastic measurements. Corrections to data
     Planning tools
12:00 Lunch
12:58:30 Group Photo
1:00  Facility Tour—NCNR capabilities (Jeff Lynn and Sung Chang)
2:00  Hands-on data analysis: Elastic scattering example
     Magnetic structure and sublattice magnetization of SrFe$_2$As$_2$
3:15 Break
3:30  Hands-on data analysis: Inelastic scattering example
     Spin waves in the colossal magnetoresistive system La$_{0.7}$Sr$_{0.3}$MnO$_3$
4:45 Summary and discussion
5:00  Course completion

Contacts:  
Dr. Sung Chang    (301 975-8369)    Sung.Chang@nist.gov
Dr. Songxue Chi  (301 975-4570)    Songxue.Chi@nist.gov
Dr. Jeffrey Lynn  (301 975-6246)    Jeff.Lynn@nist.gov
Dr. William Ratcliff (301 975-4316)  William.Ratcliff@nist.gov
Dr. Deepak Singh  (301 975-4863)    Deepak.Singh@nist.gov