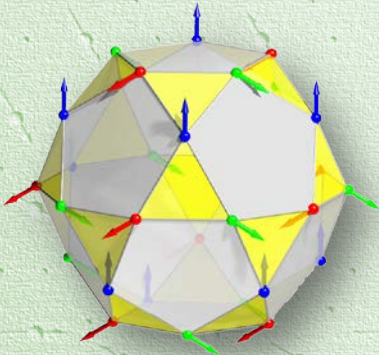# Magnetic Structure Determination from Neutron Diffraction Data

September 17 - 20, 2012, Oak Ridge, TN

Learn from the experts the essential theoretical foundations to magnetic representation analysis and work through real examples to gain experience in solving and refining magnetic structures from neutron powder and single crystal diffraction data.

! Registration is free but limited to the first 25 participants !

Lectures and tutorial session will cover:

+ **Symmetry analysis using representation theory and SARAh program,**
+ **Refinement strategies using Fullprof Suite**
+ **Magnetic structure determination from powder (constant wavelength and time-of-flight) and single crystal data (constant wavelength)**
+ **Simulated annealing approach for structure solution.**

Invited speakers:

Juan Rodríguez-Carvajal (ILL, Grenoble)
Andrew Wills (University College London)
William Ratcliff (NCNR)

Workshop Organizers:

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For registration and additional information about location and schedule please visit the website:
http://neutrons.ornl.gov/conf/magstr2012/

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