

Workshop on Symmetry and Superspace Approach to Modulated Crystal Structures

TownePlace Suites by Marriott, Oak Ridge, Tennessee, 37830 USA, Iris Conference Room

<https://www.marriott.com/hotels/travel/tysor-towneplace-suites-knoxville-oak-ridge/?scid=bb1a189a-fec3-4d19-a255-54ba596febe2>

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Wednesday, October 23, 2019

Time	Event	Presenter
12:30 - 1:00 PM	Registration	
1:00 - 1:10 PM	Welcome & Workshop Overview	Clarina Dela Cruz (ORNL) Bryan Chakoumakos (ORNL)
1:10 - 2:00 PM	The superspace description of modulated structures	Vaclav Petricek (CAS Institute of Physics, Czech Republic)
2:00 - 2:45 PM	Irreducible representations and the superspace formalism	Branton Campbell (Brigham Young University, USA)
2:45 - 3:30 PM	Generating modulated-structure models using ISODISTORT	Branton Campbell
3:30 - 3:45 PM	Coffee Break	
3:45 - 4:45 PM	Introduction to JANA2006	Margarida Henriques (CAS Institute of Physics, Czech Republic)
4:45 - 5:20 PM	Workflow in neutron TOF data reduction for modulated crystals	Shiyun Jin (University of Wisconsin-Madison, USA)
5:20 - 6:15 PM	Install software packages for hands-on tutorials	Vaclav Petricek, Margarida Henriques, Branton Campbell
6:30 - 8:30 PM	Working Dinner and Poster Session	Xiaoping Wang

Thursday, October 24, 2019

8:30 - 9:00 AM	Set up for hands-on tutorials	
9:00 - 10:00 AM	Advanced features in JANA2006	Vaclav Petricek
10:00 - 10:20 AM	Coffee Break	
10:20 - 11:20 AM	Magnetic structure analysis and refinement with JANA	Margarida Henriques
11:20 - 11:30 AM	Room set-up	
11:30 - 12:30 PM	Group A Tutorial: ISODISTORT Group B Tutorial: JANA Nuclear Group C Tutorial: JANA Magnetic	Branton J. Campbell Vaclav Petricek Margarida Henriques
12:30 - 1:30 PM	Working Lunch: Suite of Single-crystal diffraction instruments at ORNL	Christina Hoffmann (ORNL)
1:30 - 2:30 PM	Group B Tutorial: ISODISTORT Group C Tutorial: JANA Nuclear Group A Tutorial: JANA Magnetic	Branton J. Campbell Vaclav Petricek Margarida Henriques
2:30 - 3:30 PM	Group C Tutorial: ISODISTORT Group A Tutorial: JANA Nuclear Group B Tutorial: JANA Magnetic	Branton J. Campbell Vaclav Petricek Margarida Henriques
3:30 - 3:45 PM	Coffee Break	
3:45 - 5:00 PM	SNS / HFIR Tour	Xiaoping Wang / Huibo Cao (ORNL)