

Dear Colleagues,

We are pleased to announce a two-day virtual workshop on [Advanced Software Tools for Single Crystal Data Analysis](#) on August 2-3, 2021, as a satellite to the 2021 Joint Nanoscience and Neutron Scattering User Meeting to be held online from August 9-12, 2021.

The workshop will cover concepts and applications of symmetry relationships to solve and refine complex crystal structures from Bragg diffraction, including twinning, modulated structure associated with local ordering, charge and magnetic phase transitions using the [JANA2020](#) program. A new program [rmc-discord](#) recently developed for Reverse Monte Carlo refinement of diffuse scattering from three-dimensional single crystal neutron diffraction data will be introduced for the first time. Hands-on tutorials on JANA2006 and 3D RMC refinements will be provided.

Workshop Schedule:

Monday 2st August 09:00 – 15:00 - Eastern US time

Tuesday 3rd August 09:00 – 16:30 - Eastern US time

Confirmed Speakers:

Vaclav Petricek (Institute of Physics, Czech Republic);

Margarida S. Henriques (Institute of Physics, Czech Republic);

Zachary Morgan, Neutron Scattering Division, ORNL;

Feng Ye, Neutron Scattering Division, ORNL;

Xiaoping Wang, Neutron Scattering Division, ORNL

Registration is FREE and open to all meeting participants.

To register, please visit the meeting website:

<https://conference.sns.gov/event/294/registrations/81/> before the deadline on **June 30, 2021** and select **WS2: Advanced Software Tools for Single Crystal Data Analysis (Aug. 2-3)**.

Best wishes,

Xiaoping Wang, Zachary Morgan, Feng Ye, and Christina Hoffmann
Neutron Scattering Division, Oak Ridge National Laboratory