

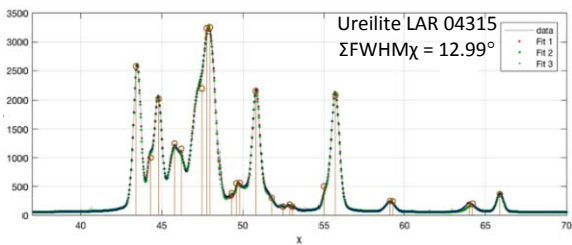
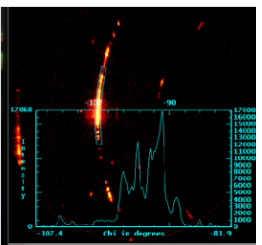
Bruker D8 Discover

MINERALOGICAL ASSOCIATION OF CANADA
ASSOCIATION MINÉRALOGIQUE DU CANADA

Western UNIVERSITY • CANADA

Canadian Powder Diffraction Workshop 14 - Berry School

Saturday October 30 to Tuesday November 2, 2021 - 9:00 am - 5:30 pm (EDT)



Organizers: Roberta Flemming (Western U. Earth Sci.; rflemmin@uwo.ca), Jim Britten (McMaster U.; Chem. britten@mcmaster.ca)

Speakers (in order of appearance):

- Jim Britten (McMaster University)
- Joel Reid (Canadian Light Source)
- Bob He (Bruker)
- Vicky Jarvis (McMaster University)
- Rebecca Funk (University of Alberta)
- Roberta Flemming (Western University)
- Yaozhu Li (Western University)
- Bob Von Dreele (Argonne National Lab)
- Gregory Schmidt (Proto Manufacturing)
- Nathan Henderson (Bruker)
- Beatriz Moreno (Canadian Light Source)

This workshop is intended for students and practitioners who would benefit from an improved understanding of the basic theory and practice of powder and related X-ray diffraction techniques for analyzing crystalline materials. Sessions will cover the basic theory of powder diffraction, experimental considerations, sample preparation, and data analysis. Examples of some simple and some more difficult powder diffraction, Rietveld refinement, 2D and 3D diffraction analyses will be presented. Other diffraction and scattering techniques will also be presented, appropriate for the characterization of powders, in-situ solids, single crystals, nanostructured and disordered materials. A variety of diffraction software packages will be introduced during the presentations and used in the afternoon's practical sessions. Several practice data sets will be supplied. Participants are also invited to bring data from their own research to be worked out at the Workshop with expert advice from the Instructors who will be present. There will also be an opportunity to collect diffraction data on various XRD instruments at Western University. The workshop is intended to be run in-person. Registration is limited to 40.

Intended audience: Industry, Academic Government and Researchers, Students

Registration Details: <http://gacmac2021.ca>

Location: In person at Western University.

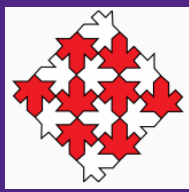
Cost: \$250 Academic and Government; \$500 Industry/commercial (plus HST.)

Registration Deadline: October 20, 2021

Coffee and snacks will be provided by Bruker Canada



Speaker travel is supported by Canadian National Committee for Crystallography (CNCC)



Instrument demonstrations by Proto Manufacturing and Olympus

