

2011 Canadian Chemical Crystallography Workshop

Université de Montréal, Pavillon J-Armand Bombardier, 5155 rue Decelles H3T 2B1

Montréal, QC, CANADA, June 10 - 14, 2011

Please join us for a five day Chemical Crystallography workshop at the Université de Montréal, June 10 - 14, 2011. The workshop is aimed at chemistry graduate students and novice crystallographers (including postdocs and Faculty) who wish to increase their knowledge in X-ray Crystallography and their proficiency in handling data and solving structures. We will solve and refine several structures, and *participants are especially encouraged to bring their own data*; the **WinGX** software package (free) will be used. Instructors will present short talks and demonstrations to explain *the theory, practice and details of the path from crystal to 3D diffraction pattern to structure to publication*. Students will have the opportunity to present their work.



Canadian National Committee
for Crystallography (CNCC)
<http://www.canadiancrystallography.ca/>

REGISTRATION: Course fee is \$200 – includes coffee, breakfast, and lunches. Pay by University account, Cheque (to McMaster University-BIMR) or credit card (contact BIMR at 905-525-9140 ext.24683)

Accommodation: On campus housing available.

Inquiries: <http://www.canadiancrystallography.ca/cccw>
britten@mcmaster.ca, Frank.Schaper@umontreal.ca
Applications must be supported by email from Supervisor.

Instructors (Presentations in English, Hands-on work bilingual)

Francine Bélanger, Laboratoire de diffraction des rayons X, Université de Montréal (UdeM)

Jim Britten, Manager and Scientific Director, McMaster Analytical X-ray Diffraction Facility (MAX)

Chuck Campana, Bruker-AXS, Madison, WI. Arguably the most experienced chemical crystallographer on the planet.

Adrien Côté, Xerox Research Centre of Canada

Andreas Decken, Assistant Dean, Faculty of Science, UNB

Thierry Maris, Laboratoire de diffraction des rayons X, UdeM

Hein Schaper, Professeur adjoint chimie inorganique, UdeM

Michel Simard, Responsable, Laboratoire de diffraction des rayons X, UdeM



ORGANIC, INORGANIC,
ORGANOMETALLIC,
SOLID STATE, MINERAL



Topics

Choosing and mounting the best crystal

Diffraction of X-rays

Data collection and reduction

Symmetry

WinGX, SHELX, PLATON, Hg

Structure solution

Structure refinement

Molecular and crystal structure evaluation

CIF's – ready to publish

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