International Year of Crystallography
Special Free Lectures at McGill University for the Public
in conjunction with the
23rd Congress of the International Union of Crystallography

Come and share our excitement in the science and beauty of crystals!

Crystals: A World to Discover
Presented by Professor Juan Manuel Garcia-Ruiz, National Research Council of Spain and the University of Granada
Date: August 6, 2014
Time: 20:15-21:30
Location: Leacock Building, Room 132, McGill University Campus

This lecture is a fully illustrated walk throughout the fascinating world of crystals, from their fundamentals and properties to the role they play in our daily lives and their impact in the arts and culture. Enjoy the beauty of crystalline materials and discover what crystallography can do for you.

Quasi-Periodic Crystals – a Paradigm Shift in Crystallography
Presented by Nobel Laureate Professor Dan Shechtman, Technion – Israel Institute of Technology
Date: August 7, 2014
Time: 20:15-21:30
Location: Leacock Building, Room 132, McGill University Campus

This talk will outline the discovery of quasi-periodic crystals and describe the important role of electron microscopy as an enabling discovery tool.

What is a Crystal? New Answers to an Old Question
Presented by Professor Ron Lifshitz, School of Physics and Astronomy, Tel Aviv University And Condensed Matter Physics, California Institute of Technology
Date: August 11, 2014
Time: 20:15-21:30
Location: Leacock Building, Room 132, McGill University Campus

In 1982 Dan Shechtman discovered a new kind of crystal that seemed to contradict the laws of nature. His discovery -- for which he was awarded the 2011 Nobel Prize in Chemistry -- ignited a scientific revolution that demonstrated that, in science, what may seem impossible today might turn out to be real tomorrow. We will review this scientific revolution and the many effects it had on science and beyond.

Talks are suitable for all audiences.
For more information e-mail ldawe@wlu.ca, Leacock Building location: http://virtualcampustour.mcgill.ca/en/details/4/leacock-building