



## 2014 Summer School Modern Methods for Crystal Growth

### Tuesday May 27, 2014

6:00pm – 9:00pm

Welcome Reception-Host Bruce Gaulin  
d'oeuvres, Wine & Cheese

Phoenix Lounge

### Wednesday May 28, 2014

7:30 – 8:30am

Registration – Coffee

ABB 164

8:30 – 8:45am

Welcome – Bruce Gaulin, BIMR Director

ABB 164

8:45 – 9:45am

Introduction – John Greedan, McMaster University  
“In the age of nano – why bother to grow crystals?”  
Or “What can I do if the float zone does not work

ABB 164

9:45 – 10:45am

Paul Canfield, Iowa State University& Ames Laboratory  
“Design and Growth of Novel Materials” pt1

ABB 164

10:45 – 11:05am

Break

ABB 164

11:05 – 12:05pm

Paul Canfield, Iowa State University& Ames Laboratory  
“Design and Growth of Novel Materials” pt2

ABB 164

12:05pm – 1:30pm

Lunch

ABB 164

1:30pm – 3:00pm

Demonstration/Experiment

Lab TBA

3:00pm – 3:15pm

Break

ABB 164

3:15pm – 4:45pm

Demonstration/Experiment

Lab TBA

6:00pm – 8:00pm

Dinner – Not Provided

Open

### Thursday May 29, 2014

8:00 – 8:30am

Welcome – Coffee

ABB 164

8:30 – 9:30am

*Antoni Dabkowski, McMaster University*  
“Phase diagrams for crystal growth”

9:30 – 10:30am

*John Mitchell, Argonne National Laboratory*  
“Floating/Zone Growth of Oxides: Why, What and How?”

ABB 164

10:30 – 10:50am

Break

ABB 164

10:50 – 11:50am

*Liudmila Isaenko, Institute of Geology and Mineralogy,  
Russian Academy of Sciences*  
“Techniques for growth of multicomponent chalcogenide  
and halogenide crystals”

ABB 164

11:50 – 1:30pm

Lunch BBQ outside Thode/ABB

ABB 164

1:30 – 3:00pm

Demonstration/Experiment

Lab TBA

3:00 – 3:15pm

Break

ABB 164

3:15 – 4:45pm

Demonstration/Experiment

Lab TBA

6:00 – 9:00pm

Banquet/Reception

Phoenix

## 2014 Summer School Modern Methods for Crystal Growth

**Friday May 30, 2014**

8:00 – 8:30am	Welcome – Coffee	ABB 164
8:30 – 9:30am	<i>Andrea Bianchi, Université de Montréal</i> “To Elwell and Scheel in 1h – or an overview of techniques on growing crystals”	ABB 164
9:30 – 10:30am	<i>Haidong Zhou, University of Tennessee</i> “Floating-Zone Growth by using the Image Furnace: Operation, Tricks, and Examples”	ABB 164
10:30 – 10:50am	Break	ABB 164
10:50 – 11:50am	<i>John Preston, McMaster University</i> “Pulsed Laser Deposition of Epitaxial Films and Nanostructures: Pursuit of Perfect Teeny-Tiny Crystals”	ABB 164
11:50 – 1:30pm	Lunch – Not Provided	Not Provided
1:30 – 3:00pm	<b>Visit Nuclear Reactor Facilities</b> Tours 1:30pm – 1:40pm  Sign up sheet available at registration	