

## **Announcement of the workshop:**

### ***Future directions in high-pressure research***

**Wednesday, May 21, 2008**

#### **Introduction**

The Consortium for Materials Properties Research in Earth Sciences (COMPRES) currently supports four dedicated high-pressure beamlines at the National Synchrotron Light Source (NSLS). These facilities provide a wide range of high-pressure techniques for the user community, including X-ray diffraction in diamond anvil cells and large volume presses, imaging, ultrasonic interferometry, and infrared spectroscopy capabilities.

Currently, the planning and the beamline design for the new third generation synchrotron source NSLS II is moving rapidly ahead and several key decisions will be made during the year 2008.

The one day workshop will be held in the framework of the National Synchrotron Light Source and Center for Functional Nanomaterials user meeting.

(<http://www.nsls.bnl.gov/users/meeting/2008/>)

#### **Scope of the workshop**

- Bring together researchers working on a wide range of topics in high pressure research and to provide an interactive environment for the exchange of new ideas.
- Updating of the high pressure community on the operation and plans for the high pressure beamlines at NSLS.
- Soliciting input of the community to build a strong high-pressure geoscience and planetary science program at NSLS-II.

#### **Invited speakers**

**Chris Benmore,**

Advanced Photon Source, Argonne National Laboratory

**Andrew Campbell,**

Department of Geology, University of Maryland

**Ron Cohen,**

Geophysical Laboratory, Carnegie Institution of Washington

**Tom Duffy,**

Department of Geosciences, Princeton University

**Wendy Mao,**

School of Earth Science, Stanford University

**Sang-Heon Dan Shim,**

Department of Earth, Atmospheric, and Planetary Sciences, Massachusetts Institute of Technology

**Oliver Tschauner,**

High Pressure Science Center, University of Nevada, Las Vegas

**Heather Watson,**

Earth and Environment, Lawrence Livermore National Laboratory

**Don Weidner,**

Mineral Physics Institute, Stony Brook University

### **Posters and short talks**

All scientists, researchers, post docs and students are invited to submit posters exhibiting their research at the NSLS for the Poster Session to be held during Annual Users' Meeting. Graduate students and post docs, who want to present their research in form of a short talk (10 min) at the workshop, should submit a short abstract (max. 250 word + one figure) to [lars.ehm@stonybrook.edu](mailto:lars.ehm@stonybrook.edu) not later than May 1.

### **Location and time**

The workshop will be held during the NSLS/CFN user meeting on Wednesday, May 21, 2008 at the Brookhaven National Laboratory in Upton, NY.

### **Registration**

The workshop is part of the joint NSLS/CFN user meeting. Please register for the meeting and the workshop at:

<http://www.nsls.bnl.gov/users/meeting/2008/registration/registration.asp>

### **Important Deadlines**

**April 11:** Foreign Nationals (including speakers and organizers) who plan to stay onsite at BNL must register in [BNL's Guest Information System \(GIS\)](#) no later than April 11 (the link is also provided on your electronic invoice after you submit this form). You must present [identification](#) documents at the Registration Desk. Approval, which can take 30 days or more, must be granted prior to attending the meeting and/or workshops. After April 11, offsite accommodations are required.

**May 9:** Last day to register and pay (without a late fee).

**May 15:** Last day to register and pay (with a late fee \$25). Payment in full (including late fees) must be received on or before May 15.

### **Accommodation**

For on-site and off-site housing options, please visit:

<http://www.nsls.bnl.gov/users/meeting/2008/accommodations.htm>

## **Support**

Travel support for all participants is available on request, graduate student and post docs are given priority. Please send a formless application for travel support, including amount of support needed and a one page CV to [lars.ehm@stonybrook.edu](mailto:lars.ehm@stonybrook.edu), not later than April, 23.

## **Sponsors**

The Consortium for Materials Properties Research in Earth Sciences (COMPRES) and the National Synchrotron Light Source generously support this workshop.



Consortium for Materials Properties Research in Earth Sciences



National Synchrotron Light Source

## **Organizers:**

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