



**2009**

**Advanced Photon Source**

**XAFS School**

**July 6 - 10, 2009**

A broad introduction to the collection and analysis of x-ray absorption fine structure (XAFS) data

### **Location**

Argonne National Laboratory  
Advanced Photon Source  
Argonne, IL 60439

### **Instructors**

Scott Calvin  
Serena DeBeer George  
Shelly Kelly  
Matt Newville  
Bruce Ravel

### **APS Beamlines**

20-BM—Mali Balasubramanian  
9-BM—Trudy Bolin  
12-BM—Nadia Leyarovska  
13-BM—Matt Newville  
5-BM-D—Qing Ma  
10-BM—Carlo Segre

### **Contact**

Julie Cross, [jox@aps.anl.gov](mailto:jox@aps.anl.gov)

### **Abstract**

The 2009 APS XAFS School includes classroom lectures delivered by leading experts in the field, and hands-on instruction in sample preparation and data collection, and training in data processing and analysis using FEFF, IFEFFIT, ATHENA and ARTEMIS.

Participants will collect XAFS data from a variety of samples during two days of beam time at six APS spectroscopy beamlines then learn to analyze the data during data analysis laboratories.

The lectures will cover the basic physics of x-ray absorption and XAFS theory, best practices in XAFS sample preparation and data collection, and basic principles of data analysis.

### **Web Page**

<http://xafs.org/Workshops/APS2009>

### **Important Dates**

May 11 — Last day to apply for the course  
May 18 — Acceptance letters sent by e-mail