

# SSRL Summer School on Synchrotron X-Ray Absorption Spectroscopy

June 10-14, 2013

## ADVANCED SESSION

### June 12<sup>th</sup>–Wednesday

*Venue : Redwood Rooms*

- 8:30 AM Welcome and Refreshments
- 8:55 AM Welcome *Ritimukta Sarangi/John Bargar*
- 9:00 AM Introduction to XAS/EXAFS at SSRL *Britt Hedman*
- 10:00 AM Introduction to FEFF based EXAFS Data Analysis: *Matt Newville*
- 11:00 AM Statistical Analysis of EXAFS Data Fitting: *Corwin Booth*
- 12:00 PM **Lunch Break**
- 1:00 PM Difficult Problems in EXAFS Data Acquisition and Analysis: *Graham George*
- 2:00 PM Break out session: 2 groups.

*Venue : Redwood Rooms*

- 2:15 PM EXAFS Analysis *Ritimukta Sarangi (group 1) John Bargar (group 2)*
- 5:15 PM End of Lectures
- 6:00 PM Barbeque Dinner at the Quadrus Café – across Sand Hill road from SLAC

### June 13<sup>th</sup>–Thursday

*Venue : Redwood Rooms*

- 8:30 AM Refreshments
- 9:00 AM FEFF Based XANES Data Analysis: *Josh Kas*
- 9:45 AM Examples of FEFF Applied to XANES Data: *Dan Freibel*
- 10:30 AM XANES Data Analysis (Hands-on session): *Josh Kas*
- 12:00 PM **Lunch Break**

*Venue : Redwood Rooms*

- 1:00 PM XANES Data Analysis (Hands-on session): *Josh Kas*
- 3:00 PM **Tea Break**
- 3:15 PM EXAFS Analysis *Juan Lezama (group 1) John Bargar (group 2)*
- 5:30 PM Close Session

### June 14<sup>th</sup>– Friday

*Venue : Redwood Rooms*

8:30 AM Refreshments  
9:00 AM Electronic Structure Interpretation from XANES: [Ritimukta Sarangi](#)  
10:00 AM DFT Simulations of Pre-edges (Hands-on Session): [Ritimukta Sarangi](#)  
11:00 PM Proposal Writing and Result Reporting: [Sam Webb](#)  
12:00 PM **Lunch Break**

*Venue : Redwood Rooms*

1:00 PM Individualized EXAFS Sessions (both Beginner and Advanced)  
[Ritimukta Sarangi/ John Bargar/ Juan Lezama/ Courtney Krest](#)  
4:30 PM Close Session