Fundamentals of XAS data analysis: A hands-on tutorial

AGENDA

Day 1 – Tuesday, March 11
Bldg. 745 - Data Analysis Lab

8:30 AM – 9:30 AM	**Breakfast** (provided)
9:30 AM – 9:40 AM	**NSLS II Director's greetings**
9:40 AM – 10:40 AM	**Lecture 1**: Introduction to XAS (Eli Stavitski)
10:40 AM – 11:00 AM	**Break**
11:00 AM – 11:10 AM	**Group Photo**
11:10 AM – 12:00 PM	**Lecture 2**: Data reduction and background removal (Akhil Tayal)
12:00 PM – 12:30 PM	**Hands-on session:** Looking into XAS data
12:30 PM – 1:15 PM	**Lunch** (provided)
1:15 PM – 2:45 PM	**Lecture 3**: EXAFS analysis I (Bruce Ravel)
2:45 PM – 3:05 PM	**Break** (provided)
3:05 PM – 4:15 PM	**Hands-on session:** EXAFS analysis
4:15 PM – 5:15 PM	**Lecture 4**: Sample preparation and sample environments (Eli Stavitski)
5:30 PM – 6:30 PM	**Dinner** (provided)

Day 2 – Tuesday, March 12
Bldg. 745 - Data Analysis Lab

8:00 AM– 9:00 AM	**Breakfast** (provided)
9:00 AM – 10:00 AM	**Lecture 5:** XANES analysis and high energy resolution techniques (Jorge Moncada Vivas)
10:00 AM – 10:20 AM	**Break**
10:20 AM – 12:00 PM	**Lecture 6:** EXAFS analysis II (Bruce Ravel)
12:00 PM – 1:00 PM	**Lunch** (provided)
1:00 PM – 1:30 PM	**Lecture 7:** Understanding the EXAFS equation (Dali Yang)
1:30 PM – 2:00 PM	**Lecture 8:** Combined techniques (Lu Ma)
2:00 PM – 2:20 PM	**Break** (provided)
2:20 PM – 5:15 PM	**Hands-on session:** EXAFS analysis
3:00 PM – 3:30 PM	**Lecture 9:** Guidance for proposal preparation (Lisa Miller)
3:30 PM – 3:45 PM	Overview of BMM, ISS and QAS Beamline Features and Capabilities
5:30 PM – 6:30 PM	**Dinner (**provided)

Day 3 – Thursday, March 13
Bldg. 743 – Rm. 156, Beamlines QAS, BMM, & ISS

8:00 AM – 9:00 AM	**Breakfast** (provided)
9:00 AM –12:00 PM	**Experimental session:** XAS data collection at QAS, BMM, and ISS
10:30 AM – 10:45 AM	**Break**
12:00 PM – 1:00 PM	**Lunch** (provided)
1:00 PM – 3: 00 PM	**Experimental session continued**
3:00 PM – 3:15 PM	**Break** (provided)
3:15 PM – 6:00 PM	**Individual work**