

Short course on X-ray Absorption Fine Structure: Application to Nanomaterials

Brookhaven National Laboratory, Nov. 18-20

Course agenda

Instructors:

Grant Bunker (IIT), Amani Ebrahim (SBU), Anatoly Frenkel (SBU/BNL), Joshua Kas (UW), Shelly Kelly (Honeywell), Yuanyuan Li (SBU), Yang Liu (SBU), Kirill Lomachenko (ESRF), Lu Ma (BNL), Nicholas Marcella (SBU), Nebojsa Marinkovic (Columbia), Carlo Segre (IIT), David Sprouster (SBU), Fernando Vila (UW), Zhenhua Xie (Columbia), Feng Zhang (BNL)

November 18 (Wednesday)

Part 1. Discussion of questions related to topics I and II

9am-9:30am Introduction (A. Frenkel)

9:30am-10am Recap of the topics I and II

10am-11am Questions on Topic I, II

Coffee break

11:30am-1pm Questions on Topic I, II

Lunch break

Part 2. Problem solving strategies

2pm-3pm Breakouts of 10 groups/8 people per group. Solve a conceptual problem (prepared by instructors)

Coffee break

3:30pm-5pm Group presentations

November 19 (Thursday)

Part 1. Discussion of questions related to topics III and IV

9am-9:30am Recap of the topics III and IV

9:30am-11am Questions on topics III, IV

Coffee break

11:30am-1pm Questions on Topics III, IV

Lunch break

Part 2. Problem solving strategies

2pm-3pm Breakouts of 10 groups/8 people per group. Solve a conceptual problem (prepared by instructors)

Coffee break

3:30pm-5pm Group presentations

November 20 (Friday)

Solving open-ended problems/projects/ proposed by instructors and/or participants

Breakout rooms, up to 8 participants per room, organized according to the topic (XANES modeling or EXAFS analysis), moderated by all instructors.

9am-9:30am Setup of breakout rooms

9:30am-11am Breakouts

Coffee break

11:30am-1pm Breakouts

Lunch break

2pm-3:00pm Breakouts

Coffee break

3:30pm-5pm Breakouts

5pm: Adjourn