

APS WK #1: Advanced Spectroscopy Probes to Investigate Matter under Extreme Conditions - Opportunities Afforded by the MBA Lattice

Time: Full-day

Date: Tuesday, April 21

Workshop location: Building 401, Room A1100

Organizers: Mahalingam Balasubramanian (APS), Paul Chow (APS)

Description: Advanced x-ray spectroscopy methods such as resonant x-ray emission and x-ray Raman scattering spectroscopies have provided critical breakthroughs in our understanding of matter under extreme conditions. The increased focusing capabilities afforded by the MBA lattice upgrade will undoubtedly create exciting, new opportunities to interrogate matter with exquisite detail under extreme conditions. In this workshop, we will bring together experts in field that encompass high pressure science and advanced spectroscopy methods. As we embark on transitioning to the upgraded synchrotron and beamlines, this workshop will explore the forefront science questions in high pressure science and provide valuable feedback to spectroscopy programs at the APS concerning the needs of the high pressure community and prevailing technological gaps.