

<b>Advanced Spectroscopy Probes to Investigate Matter under Extreme Conditions - Opportunities Afforded by the MBA Lattice</b>		
<b>September 3, 2020</b>		<b>Session 1 of 2</b>
9:30 am*	Mali Balasubramanian and Paul Chow	Welcome and review of session agenda
9:40	Steve Heald	Sector 25 at the APS-U: Two new beamlines for advanced spectroscopy
10:10	Jerry Seidler	X-ray Raman Scattering in Extreme Conditions and Extreme X-ray Raman Scattering
10:40	Georg Spiekermann	Recent Developments in X-ray Spectroscopy of Matter under Extreme Conditions
11:10	Bhoopesh Mishra	Marriage of X-ray Raman Scattering with Soft X-ray Techniques for Securing a Sustainable Future for Carbon Materials
11:40	Wenli Bi	Pressure tuning of magnetism in Eu-based magnetic superconductors
12:10 pm	Brent Fultz	Nuclear resonant inelastic x-ray scattering at pressure and temperature
12:40		Session 1: Concluding remarks
<b>September 4, 2020</b>		<b>Session 2 of 2</b>
9:30 am	Paul Chow and Mali Balasubramanian	Welcome and review of session agenda
9:40	Sung Keun Lee	Direct Probing of Bonding Transitions in Amorphous Oxides through x-ray Raman Scattering and <i>ab initio</i> Calculations
10:10	Yuming Xiao	High Pressure Inelastic X-ray Scattering at HPCAT
10:40	Sylvain Petitgirard	Properties and electronic structures in high pressure glasses using a combination of X-ray Raman spectroscopy, total X-ray scattering and Molecular Dynamics calculations
11:10	Johannes Niskanen	A statistical view on core-level spectra of liquids
11:40	Hasan Yavas	An outlook from applications and instrumentation perspective
12:10		Concluding remarks

\*: Chicago local time (Central Daylight Time)

updated 8/31/20