

## W0315

**Recent Work in OSU's Crystallographic Laboratories.** Alex Yokochi, Dept. of Chemistry, Oregon State Univ., Dept. of Chemistry, Oregon State Univ., Corvallis, OR 97331 USA.

As the main non-macromolecular crystallographic experimentalist at Oregon State University I am routinely asked by various researchers at the University to characterize materials by X-ray diffractometry. These range from very large single crystals (e.g., boules of electronic materials with large dimensions) to powders (such as newly synthesized solid-state materials, pharmaceuticals, etc), passing through large polycrystalline pieces (such as cast/machined metal parts) and very small single crystals (as is the case when a large particle is found in the previously mentioned powders). This presentation will focus on recent experiences with the newest instrument in the laboratory, a Rigaku/MSR Rapid.