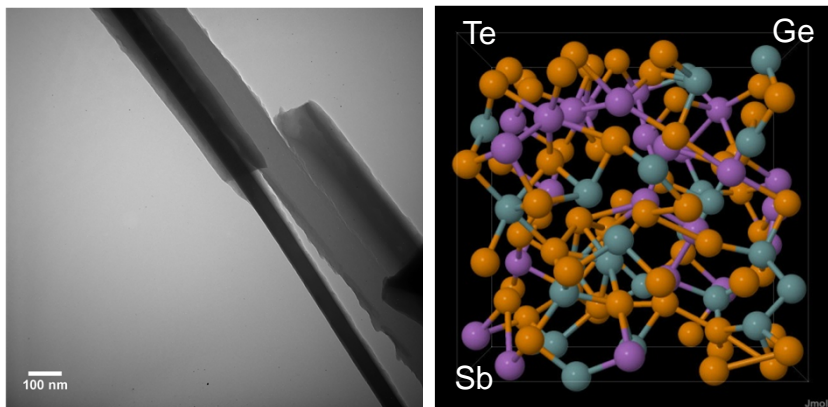
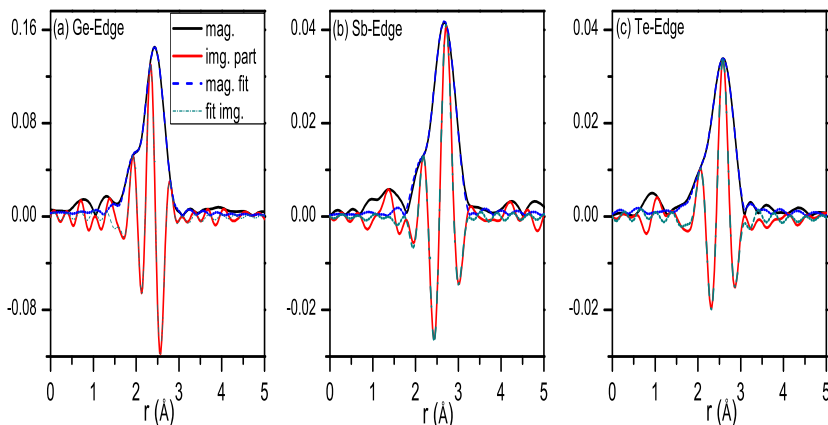


Phase-change Memory Materials Under 1-D Confinement

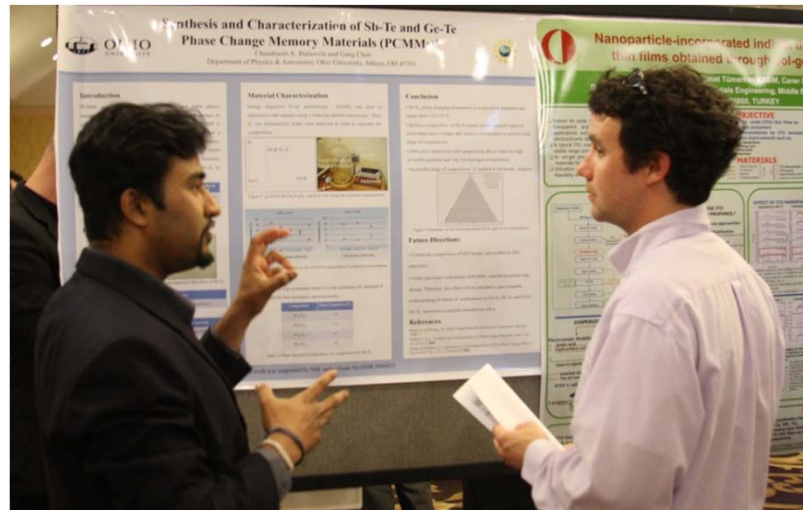
G. Chen (Ohio University), DMR-Award #0906825



Left: TEM image of amorphous phase-change nanowire
Right: Simulated atomic structure of amorphous $\text{Ge}_2\text{Sb}_2\text{Te}_5$



Atomic structure of electrodeposited $\text{a-Ge}_2\text{Sb}_2\text{Te}_5$ measured by extended X-ray absorption fine structure



Graduate student Chandrasiri Ihalawela (left) received First Place poster award in 2011 ACerS GOMD Annual Meeting.

(Photo courtesy of the American Ceramic Society)



Graduate and undergraduate students conduct research at both Argonne National Lab and Ohio University.