Dr. Lin Li Group in the Department of Materials and Metallurgical Engineering at the University of Alabama is seeking students interested in earning a doctoral degree starting either Fall 2017 or Spring 2018 in the area of computational materials science. We are specifically working on structure and deformation dynamics of advanced complex metallic systems including metallic glass, nanocrystalline metal and high entropy alloy. The project is funded by Department of Energy and in collaboration with Oak Ridge National Lab, and will include work of multiscale material modeling and in-situ diffraction testing. The student will join the Materials Science PhD program (https://materialsscience.ua.edu/) at the University of Alabama. Strong quantitative skills, work ethic, communication skills, and the ability to work independently are required. We seek excellence in a range of areas including solid state physics, computational physics, and statistical physics. MS degree is not required but preferred. Interested prospective students should contact Prof. Lin Li at lin.li@eng.ua.edu along with a CV and transcript.

The research topics in Dr. Lin Li Group include (1) multiscale modeling of structure and deformation dynamics of advanced metallic systems including metallic glass, nanocrystalline metal and high entropy alloy; (2) material microstructural modeling of processing and microstructural relationship of advanced Ni based superalloy fabricated by selective laser melting; (3) strain engineering of two-dimensional materials. For details, please refer to the group website (http://linli.people.ua.edu/).