POSTDOC POSITION AT THE UNIVERSITY OF PENNSYLVANIA
Department of Materials Science and Engineering

Seeking a postdoctoral fellow in the area of;

Nanowire Phase Change Memory—*in situ* TEM studies of the phase change process.

The project would involve studying nanoscale phase transitions in confined geometries via *in situ* electron microscopy studies to observe the critical processes that lead to field-induced phase change phenomena. Using chemical composition and size-controlled nanowires, structural phase transitions will be studied. The scope of this project involves nanowire growth, characterization, device fabrication, electrical measurements, *in situ* electron microscopy and theory/simulations. Candidates with PhD in any area of science and engineering can apply. However, people with a strong background in phase change memory devices and other device related areas will be prefered.

Please contact via email (riteshag@seas.upenn.edu) with a copy of your resume.

**Key References:**


