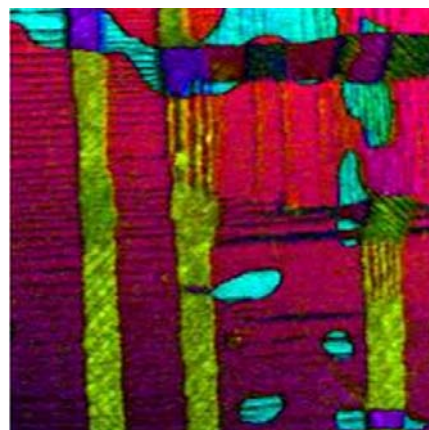


Department of Physics and Astronomy

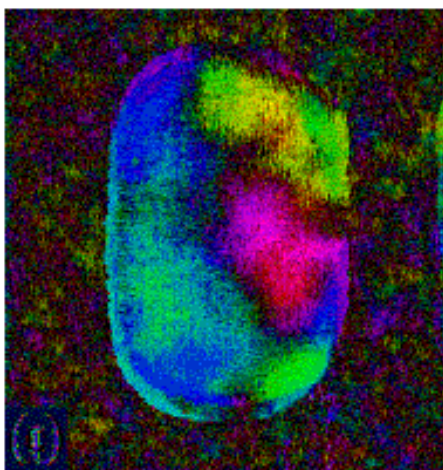
Graduate Research Position

Static and Dynamic Properties of Ferroelectric and Multiferroic Structures at the Nanoscale

If you are interested in cutting edge research in the physics of oxide materials and would like to pursue studies aimed at understanding the nanoscale ferroelectric phenomena, a ferroelectric group at the Department of Physics and Astronomy has an opening for a graduate student. We are searching for enthusiastic candidates with interest in controlling and characterizing condensed matter materials at the nanoscale level using advanced scanning probe microscopy (SPM) techniques.



Nanoscale SPM image of domain structure in ferroelectric $\text{Pb}(\text{Zr},\text{Ti})\text{O}_3$ film.



2D-map of polarization distribution in FeRAM capacitor

The student will have access to state-of-the-art SPM equipment, collaborate with internationally recognized researchers, and develop contacts with the national research community. If you want a career in this hottest area of condensed matter science and nanotechnology, our group is for you!

If you are interested or would like more information, please contact Prof. Alexei Gruverman (Alexei_gruverman@unl.edu)