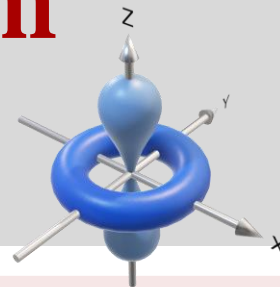




Department of Physics Colloquium

September 19, 2022



3:00 PM

**Exploiting the capabilities for electron
and ion microscopy at the Singh Center for
Nanotechnology at Penn for condensed matter research**

Prof. Eric Stach

University of Pennsylvania

The capabilities for focused-ion beam and transmission electron microscopy at the Singh Center for Nanotechnology at Penn have dramatically improved in the last five years due to institutional and government-funded investments (NSF). In this presentation, I will use examples from research activity in my group and other groups at Penn, the surrounding region, and beyond to show how electron and ion microscopy can be used to understand the structure, chemistry, and bonding of both hard and soft matter at the nanometer to atomic scale. I hope to provide insight into how members of the Temple community can utilize the resources to advance their own scientific goals and will explicitly describe how to access the facilities.

**This colloquium will be held in-person, at SERC 116
unless announced otherwise.**