

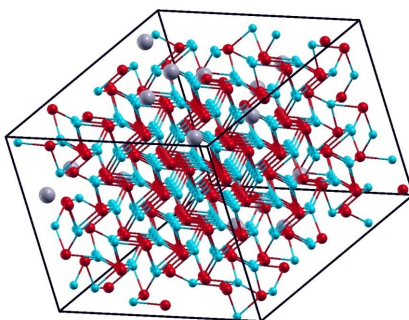


SEMINAR SERIES 2018

Monday, March 19
3:00 pm
1008B Digital Media Center
Louisiana State University

Understanding Disordered Materials via Unbiased Simulations

Inserting disordered impurity atoms is one of the most powerful ways to tune the functionality of advanced materials. In this talk I will demonstrate how disorder controls and reveals the underlying physics of heat conductance in thermoelectrics, electron pairing in superconductors and Anderson localization in intermediate band semiconductors. In particular I will illustrate how unbiased and materials-specific simulations shed light on complex experiments on disordered materials and allow for a fundamental understanding of their properties.



Guest Speaker

**Dr. Tom
Berlijn**

Research Staff
Member

Oak Ridge National
Laboratory

Free and open to the public



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