P.U.R.E. Research Plan Form

Mentee Information

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Mentor Information

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Faculty Advisor: Elif Ertekin

Spring 2016 Research Plan

1.) Write a brief outline of your research plan:

Using Monte Carlo Method to simulate phonons dispersion and transport in thermoelectric material. We will develop codes to simulate the Boltzmann transport equation for phonons and electrons. We will create model to analyze thermal effect in different states.

2.) What do you hope to learn and achieve by the end of the semester?

I wish I will learn more about research process and gain experience from developing code for thermal simulator. I expect to have maximum engagement in your research.

Mentee Signature: Lu Wang Date: 02/17/2016
Mentor Signature: Taishan Zhu Date: Feb 17, 2016