Michael Edmund Kozina

Graduate Institution: Stanford University

Graduate Discipline: Applied Physics

Hometown: Stockton, CA

Relevant SC Research: Basic Energy Sciences

Research Interest:

I am interested in heat transport dynamics on ultrafast time scales. In particular, I find studying thermoelectric materials in this regime to be most interesting, in part because of the tremendous utility thermoelectrics promise.

About Me:

I am a second-year graduate student in Applied Physics at Stanford University. I work for Prof. David Reis as a part of the PULSE group at SLAC National Accelerator Lab. So far, I have found the experience of working at a national lab most rewarding and consider a position as a staff scientist in my future career to be a very enticing option. In particular, I have enjoyed being involved in using two of the DOE user facilities at SLAC (SSRL and LCLS), and I think I may enjoy working as a beamline scientist at one of these or a similar facility.

I am a member of the American Physical Society. Recently I was selected to attend the Lindau Meeting of Nobel Laureates in July 2012.

I graduated summa cum laude from the University of California, Santa Cruz in 2010 with a BS in Physics and a BA in Math. While at UCSC, I worked in Prof. Frank Bridge's lab performing Extended X-ray Absorption Fine Structure (EXAFS) studies on several materials with varied macroscopic properties, including: electroluminescent ZnS:Cu; thermoelectric Ba8Ga16Sn30; and LiNbO3:Zn, a material with nonlinear optical properties.

I have developed a great love for the outdoors living in California, and enjoy frequenting the many state and national parks here as much as possible. I am an avid 49ers fan and find nearly all sports interesting. I also have strong interests in classical history as well as the Latin language; I find translating Latin texts to be thoroughly enjoyable.