Name: Chris Dames

Title: Assistant Professor

Institute: University of California, Riverside

Education
2006   PhD   Massachusetts Institute of Technology, Mechanical Engineering (Adviser: Prof. Gang Chen).
2001   M.S.   University of California, Berkeley, Mechanical Engineering (Adviser: Prof. Arun Majumdar).
1998   B.S.   University of California, Berkeley, Mechanical Engineering.

Professional Experience
Sept. 2006 - present.   Assistant Professor, Department of Mechanical Engineering, University of California, Riverside.

June 1998 - June 1999.   Research Engineer, Solo Energy Corp., Alameda, CA.

Research Interests
Thermal and electrical properties of nanostructures used for energy conversion. Modeling and experiments on individual nanowires and nanotubes.

Selected Publications
C. Dames, S. Chen, C. T. Harris, J. Y. Huang, Z. F. Ren, M. S. Dresselhaus, and G. Chen, "A modified high-resolution TEM for thermoelectric properties measurements of nanowires and nanotubes", Proc. of SPIE Optics East, Vol. 6370, Boston, MA, Oct. 1-4 (2006).

C. Dames, G. Chen, B. Poudel, W. Wang, J. Huang, Z. F. Ren, Y. Sun, J. I. Oh, C. Opeil, S.J., and M. J. Naughton, "Low dimensional phonon heat capacity of titanium dioxide nanotubes," *Appl. Phys. Lett.* **87**, 031901 (2005).

C. Dames and G. Chen, "Theoretical phonon thermal conductivity of Si-Ge superlattice nanowires," *J. Appl. Phys.* **95**, 682 (2004).

C. Dames and G. Chen, "Thermal conductivity of nanostructured thermoelectric materials," in *Thermoelectrics Handbook: Macro to Nano*, ed. D. Rowe, CRC Press (2005).

C. Dames and G. Chen, "1, 2, and 3ω methods for measurement of thermal properties," *Rev. Sci. Instrum.* **76**, 124902 (2005).

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