

DANIEL M. HINCKLEY

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EDUCATION

- **University of Wisconsin-Madison** Madison, WI
Ph.D., Chemical and Biological Engineering, expected 2014.
Advisor: Juan J. de Pablo
- **Brigham Young University** Provo, UT
B.S., Chemical Engineering, 2008 (GPA 3.93)
Graduated *Magna Cum Laude*

WORK HISTORY

- **Research Assistant** August 2009 – present
Molecular Thermodynamics and Statistical Mechanics
Research Group
University of Wisconsin-Madison
- **Research Associate** January 2008 – December 2009
Combustion and Reaction Simulations
University of Utah
- **Research Engineer** June 2007 – August 2007
Babcock and Wilcox Company
- **Research Assistant** April 2006 – June 2007
Department of Chemical Engineering
Brigham Young University
- **Teaching Assistant** April 2007 – June 2007
Department of Chemical Engineering
Brigham Young University

PUBLICATIONS

1. Hinckley, D.M., Spinti, J.P., Ewing, M., Bodily, C. and P.J. Smith. Improved Uncertainty Quantification in Fast Cook-off Scenarios. *Proceedings of the 43rd JANNAF Combustion Meeting*, La Jolla, CA, December 2009.

ORAL PRESENTATIONS

1. “Improved Uncertainty Quantification in Fast Cook-off Scenarios.” JANNAF 25th PSHS Joint Subcommittee Meeting, December 7-12, 2009, La Jolla, CA.

AWARDS AND HONORS

- **Graduate Research Fellow** 2010
National Science Foundation

- **Genomic Sciences Training Program Predoctoral Trainee** 2010 - present
University of Wisconsin-Madison
- **Outstanding Sophomore, Junior, and Senior Awards** 2006, 2007, 2008
Department of Chemical Engineering
- **Dean's List** 2006- 2008
College of Engineering
- **BYU Heritage Scholarship (4 year full tuition)** 2002-2003, 2005-2008
- **Robert C. Byrd Scholarship** 2002-2003, 2005-2008
- **First Team Cross Country** 2008
Mountain West Conference, NCAA

TECHNICAL SKILLS

- Computer
 - C, Python, Bash, TCL, Unix
 - GROMACS, LAMMPS molecular dynamics packages
 - DARS, Matlab, and Mathcad software packages
 - Linux, Windows, and Macintosh operating systems
- Laboratory
 - Catalyst characterization instruments such as BET analyzers, thermogravimetric analyzers, bulk reduction, chemisorption, and gas chromatography
- Languages
 - English
 - Spanish