

Bryan C. Daniels

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Education

- **Cornell University** August 2005 – present
Department of Physics Ph.D. Program Ithaca, New York
- **Ohio Wesleyan University** August 2001 – May 2005
B.A., Physics Delaware, Ohio
 - Senior research project: *Synchronization of Globally Coupled Nonlinear Oscillators: the Rich Behavior of the Kuramoto Model.*

Research Experience

- **IGERT Research Project** August 2006 – June 2007
Cornell University Ithaca, New York
 - Worked with a small interdisciplinary group of IGERT students to simulate the behavior of neurons that control swimming in zebrafish. Presented the work at the 2007 IGERT Symposium in Pittsburgh.
- **IGERT Summer Internship** May 2006 – August 2006
Indiana University Bloomington, Indiana
 - Worked with Randy Beer on estimating volumes of distinct regions in the parameter space of continuous-time recurrent neural networks.
- **Research Experiences for Undergraduates Program** May 2004 – July 2004
University of Florida Gainesville, Florida
 - Studied heavy-fermion systems using numerical renormalization group methods.
- **Summer Research Program** May 2002 – July 2002
Ohio Wesleyan University Delaware, Ohio
 - Simulated synchronization in ladder arrays of Josephson junctions.

Teaching Experience

- **Teaching Assistant** Fall 2007
Cornell University Ithaca, New York
 - Physics 218: Waves and Thermodynamics
- **Physics Laboratory Assistant and Tutor** Fall 2004 – Spring 2005
Ohio Wesleyan University Delaware, Ohio

Honors and Awards

- IGERT Fellowship in Nonlinear Systems, 2005-2007
- Phi Beta Kappa, 2005
- Rusk Prize in Physics, 2005
- Sigma Xi Research Award, 2005
- Muller Award for Promise in Physics, 2003

Computing Experience

Programming Languages: Python, C++, Fortran, others

Software: Mathematica, Unix, Linux, Windows, L^AT_EX