



Trinity College  
HARTFORD CONNECTICUT

Faculty Research Grants Awarded  
FY 14 – July 1, 2013 – June 30, 2014

- Associate Professor of Biology **Kathleen Archer** received a grant from the **American Society of Plant Biologists Education Foundation** for her project to assess the weaknesses of and reform the teaching of introductory biology courses in higher education. Archer worked with colleagues from St. John Fisher College, Indiana Wesleyan University, University of Michigan and Northern State University. [Read more.](#)
- Assistant Professor of Physics **Brett Barwick** received a grant from the **NASA Connecticut Space Grant Consortium** for his project, “Point Projection Ultrafast Electron Microscopy: Following Dynamics at the Atomic Scale.”
- Associate Professor of Educational Studies, **Jack Dougherty** and **Diane Zannoni**, G. Fox and Company Professor of Economics, received a grant from **Achieve Hartford!** to complete their project, “Hartford Student Continuity, Achievement Clustering, and Voluntary Choice, 2008-12.”
- Associate Professor of Educational Studies, **Jack Dougherty** received a contract from **Achieve Hartford!** for the fifth year of his online tool, [SmartChoices](#), “How Hartford Parents Navigate Public School Options.” [Read more.](#)
- Associate Professor of Educational Studies **Andrea Dyrness** received a grant from the **Spencer Foundation** for her project, “Becoming Citizens in Time of Crisis: Latino Immigrant Youth In Spain.”
- Associate Professor of Anthropology **Shafqat Hussain** received a grant from the **Whitley Fund for Nature** for his project, “Conserving Snow Leopards with Community Involvement in Northern Pakistan.” [See video.](#)
- Associate Professor of Theater and Dance **Barbara Karger** received a grant from the **New England Foundation for the Arts** for the development of a new piece as part of the 2012 National Dance Project.
- Professor of Engineering **John Mertens** received a grant from the **NASA Connecticut Space Grant Consortium** for his project, “Ignition Study of Supersonic Free Stream Jets Using a Shock Tube.”
- Professor of Engineering **John Mertens** received a grant from the **Henkel Foundation** to support his *Make an Impact on Tomorrow Children’s Program*, a three-year mentorship for students from the Bellizzi Middle School in Hartford.
- Professor of Computer Science **Ralph Morelli** received a grant from the **National Science Foundation** for his project, “Collaborative Research: Computational Thinking Through Mobile Computing.”
- Professor of Computer Science **Ralph Morelli** received a grant from the **National Science Foundation** for his project, “Mobile CSP: Using Mobile Learning to Teach CS Principles in Connecticut Schools.” [Read more.](#)



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- Professor of Computer Science **Ralph Morelli** received a grant from **ACDI-VOCA** to extend his ongoing Humanitarian Free and Open Source Software (HFOSS) initiative.
- **Garth Myers**, Paul E. Raether Distinguished Professor of Urban International Studies, received a grant from the **U.S. Africa Command** for his project, “Impacts of Growth of Megacities in Africa.”
- Professor of Engineering **Taikang Ning** received a grant from the **LAM Research Corporation** to support student research into Ning’s interest area, the application of discrete-wavelet transform in image compression and to assess the performance in real-time applications.
- Professor of Anthropology **James Trostle** received a **Fulbright** grant to teach a graduate seminar at the University of Chile in Santiago and conduct research on his project, “The Health Effects of Rapid Social Change in Chile.” [Read more.](#)
- Principal Lecturer in Language and Culture Studies and International Studies **Rieko Wagoner** received a grant from the **Association for Asian Studies/The Japan Foundation** to hold the 26<sup>th</sup> Annual Conference for Japanese Language Teachers Association of New England “Re-evaluation Teaching Goals to Meet the Changing Landscape of Students’ Needs and Study Modes” at Trinity College.
- Trinity College’s Computer Science Department was selected to become a Compute Unified Device Architecture (CUDA) Teaching Center by **NVIDIA**, the creators of the supercomputing platform. Associate Professor of Computer Science **Peter Yoon** authored the successful proposal. [Read more.](#)