Faculty and Faculty/Student Research Grants and Scholarly Activity

2010-11

- Ernst, Daniel J., “Preparing Students for Future Architectures with an Exploration of Multi- and Many-Core Performance”, Proceedings of the 16th Annual Conference on Innovation and Technology in Computer Science Education (ITiCSE), Darmstadt, Germany, June 27-29, 2011.
- Ernst, Daniel J., with Benjamin Zimmer (undergraduate student) and Austen Ott (undergraduate student) “Accelerating Exact Logic Synthesis Using Parallel Computing Methods”. UWEC Student Research Day – Poster Session 2-4 May 2011, Faculty/Student Collaborative Research Project.
- Ernst, Daniel J., with Simei Tong, Mark Patrick Bauer (undergraduate student), Eric Lafferty (undergraduate student), Brian Buell (undergraduate student), and Hannah Miller (undergraduate student.) “Optimizing the Evacuation for Eau Claire County, Phase III”. UWEC Student Research Day – Poster Session 2-4 May 2011, Faculty/Student Collaborative Research Project.
- Morrison, Joline P., with C. Michael Morrison, Hannah Miller (undergraduate student), Isaac Schemm (undergraduate student), and Matthew Wisby (undergraduate student.) “The Convergence Between Peer Review and Instructor Review”. UWEC Student Research Day – Poster Session 2-4 May 2011, Faculty/Student Collaborative Research Project.
- Stevenson, Daniel E., with Lucas Komiskey (undergraduate student) and Ethan Frei (undergraduate student.) “Head Tracking for Virtual Environments”. UWEC Student Research Day – Poster Session 2-4 May 2011, Faculty/Student Collaborative Research Project.
- Stevenson, Daniel E., with Monica Thompson (undergraduate student.) “Mobile Augmented Reality for Grocery Shopping”. Midwest Instruction and Computing Symposium (MICS) Conference, Duluth, MN, April 8-9, 2011.
- Tan, Jack S.E., with Patrick Konsor (undergraduate student.) “Examining the Use of Nearly Smooth Relations to Improve the Efficiency of Factoring in the Quadratic Sieve.” National Conference on Undergraduate Research (NCUR), Ithaca, NY, March 31 – April 2, 2011.
• Wagner, Paul J., with Michael Seaholm (undergraduate student.) “Resolving Word Sense Ambiguity in Natural Language Processing”. UWEC Student Research Day – Poster Session 2-4 May 2011, Faculty/Student Collaborative Research Project.

2009-10
• Ernst, Daniel J., with Simei Tong, Shyam Chadha, Mark Bauer (undergraduate student) and Ryan Yohnk (undergraduate student.) “Optimizing the Evacuation for the City of Eau Claire, WI”. UWEC Student Research Day – Poster Session 26-28 April 2010, Faculty/Student Collaborative Research Project.
• Stevenson, Daniel E., with Bryan Bernhart (undergraduate student.) “Real-time Indoor Location System Using WiFi Scanning”. UWEC Student Research Day – Poster Session 26-28 April 2010, Faculty/Student Collaborative Research Project.
• Tan, Jack S.E., with Greg Boettcher (undergraduate student.) “Stopping Spam Before It Starts: An Empirical Study and a Recommended Method for Email
Address Obfuscation”, Proceedings of the 24th National Conference on Undergraduate Research (NCUR), Missoula, MT, April 15-17, 2010.


- Wick, Michael R., with Carl Hoover (undergraduate student) and Heather Leanne Sommer (undergraduate student.) “The Automated Chinese-to-English Translation of Creative Writings”. UWEC Student Research Day – Poster Session 26-28 April 2010, Faculty/Student Collaborative Research Project.

2008-09


- Ernst, Daniel J., with Christine Hupy, Simei Tong and Brian Troy (undergraduate student.) “Effective and Usable Tools for Efficient Evacuation Planning”. UWEC Student Research Day – Poster Session 27-28 April 2009, Faculty/Student Collaborative Research Project.


- Morrison, C. Michael., with Joline Morrison, Luke Komiskey (undergraduate student) and Brandon Holt (undergraduate student.) “A Peer Review System to
Enhance Undergraduate Learning”. UWEC Student Research Day – Poster Session 27-28 April 2009, Faculty/Student Collaborative Research Project.


- Tan, Jack S. E., with Tanya Smeltzer (undergraduate student.) “Error Control in Dialog Systems”. UWEC Student Research Day – Poster Session 27-28 April 2009, Faculty/Student Collaborative Research Project.

- Wagner, Paul J. “MOBILE: A Portable Networked Workshop System.” National Science Foundation; Course, Curriculum and Laboratory Improvement program Phase II grant. NSF #0817295, Extramural grant of $404,305.


- Wick, Michael R., with Carl Hoover (undergraduate student) and Heather Sommer (undergraduate student.) “The Automated Chinese-to-English Translation of Creative Writings”. UWEC Student Research Day – Poster Session 27-28 April 2009, Faculty/Student Collaborative Research Project.

2007-08


Collaborative Project.


- Ernst, Daniel J., with Joe Myre (undergraduate student.) “Enhancing the Price/Performance for a Clustered Multiprocessor System.” UWEC Student Research Day—Poster Session 28-29 April 2008, Faculty/Student Research Collaborative Project.


- Stevenson, Daniel E., with Alex Cobian (undergraduate student.) “Implementing Auto-Focus in a Stereographical Projection System.” UWEC Student Research Day—Poster Session 28-29 April 2008, Faculty/Student Research Collaborative Project.


2006-07


- Stevenson, Daniel E., with James Schwarzmeier, undergraduate alumnus.


2005-06


- Stevenson, Daniel E., with Lindsey Lepisko and Mark De Neve, undergraduate


• Wick, Michael R., with Thomas Richmond and Julie Wielenga, undergraduate students. “Solving the Course Scheduling Problem with Genetic Algorithms.” UWEC Student Research Day—Poster Session 1-2 May 2006, Faculty/Student Research Collaborative Project.

2004-05


• Phillips, Andrew T, with Paul J. Wagner. “CLICS: A Computational Laboratory for Information and Computer Security.” National Science Foundation; Course, Curriculum and Laboratory Improvement program. Supplemental award to NSF-0309818 for creation of computer security workshops for university instructors. $31,000.


• Stevenson, Daniel E., with Philip Ihinger (Geology) and Ryan Prechel, undergraduate student. “Web-based visual simulation of crystal growth and development of sector zoning in hydrothermal quartz.” UWEC Student Research Day—Poster Session 25-26 Apr. 2005, Faculty/Student Research Collaborative Project.


2003-04

• Phillips, Andrew T, with Paul J. Wagner. “CLICS: A Computational Laboratory for Information and Computer Security.” National Science Foundation; Course,
Curriculum and Laboratory Improvement program. NSF 0309818, Extramural grant. $99,850.


• Wick, Michael R., with Andrew T. Phillips and Daniel E. Stevenson. “Seven Design Rules for Teaching Students Sound Encapsulation and Abstraction of Object Properties and member Data.” 35th ACM SIGCSE Technical Symposium


2002-03


Stevenson, Daniel, with Andrew T. Phillips. “Implementing Object Equivalence


- Wick, Michael, with Paul Wagner and Marcia Vaughn, undergraduate student. “Developing a Data Analysis Web Service (DAWS).” UWEC Student Research Day, Poster Session, 28 April 2003, Faculty/Student Collaborative Research Project.

2001-02


2000-01


• Phillips, Andrew, with Kenneth Foreman and Ken Dill, UC-San Francisco, and J.


**1999-2000**


- Wick, Michael, with Kelly Larsen and Kevin Schultz, undergraduate students. “Artificial Neural Networks for Voice Recognition.” Faculty/Student Research Collaborative Grant.

1998-99


1997-98

- Harrison, Susan, with Phillipa Mancey, undergraduate student. “Effects of Usability Testing Procedures on Accuracy of User Response.” Faculty/Student Research Collaboration Grant.

- Stevenson, Daniel, with Mike Betzel, undergraduate student. “The Impact of Image Compression on Content-Based Retrieval.” Faculty/Student Research Collaboration Grant.

- Tan, Jack, with Steve Hart, undergraduate student. "Optimal Multiple Broadcasting for Massively Parallel Systems." Faculty/Student Research Collaboration Grant.