2011

Research and Creative Achievement (2011)

Lynne Parker
Phillip Rack
Steven Richter
Ben Xue

Follow this and additional works at: http://trace.tennessee.edu/utk-chanhonor

Recommended Citation
Parker, Lynne; Rack, Phillip; Richter, Steven; and Xue, Ben, "Research and Creative Achievement (2011)" (2011). Chancellor's Honors/Citations.
http://trace.tennessee.edu/utk-chanhonor/140

This Newsletter is brought to you for free and open access by the Office of the Chancellor at Trace: Tennessee Research and Creative Exchange. It has been accepted for inclusion in Chancellor's Honors/Citations by an authorized administrator of Trace: Tennessee Research and Creative Exchange. For more information, please contact trace@utk.edu.
2011 Research and Creative Achievement

Lynne Parker
Lynne Parker, professor of electrical engineering and computer science, is a pioneer in the field of distributed robotics. Her Ph.D. dissertation was the first on the topic of multi-robot systems. Her work has led to a quickly growing field of research and she is committed to training the next generation of research scholars. In her eight years at UT, she has brought in more than $1.4 million, exposing our computer science students to significant research opportunities.

Phillip Rack
Phillip Rack, associate professor in the Department of Materials Science and Engineering, researches thin film materials and device processing and nanotechnology. During the past ten years at UT, he has developed strong relationships with researchers throughout the nation, that translated into fifty funded projects and more than $5 million in research funding. During that same time, he has published three invited review articles, two book chapters, eighty-five refereed journal articles, and sixteen refereed conference proceedings. He is an engaged faculty member, most recently serving as the chair of the Materials Science Undergraduate Affairs Committee.
Steven Richter
Steven Richter is a professor of mathematics whose research focuses on the field of harmonic analysis and is recognized by leaders in the field. He is consistently published in mathematics journals, including the Annals of Mathematics in 2009, one of the most prestigious journals in pure mathematics and analysis. He also was recently invited to give a Plenary Lecture at the Meeting of the American Mathematical Society last year—rare, considering there are a limited number of meetings and only four plenary speakers chosen for each one.

Ben Xue
Ben Xue, professor of chemistry, joined the faculty in 1992. Since then, he has been recognized for his contributions in chemistry, especially inorganic compounds and their novel analysis. His work has led to the understanding of the formation of advanced materials and new catalysts, as well as the development of novel analytical methods. His research has been constantly supported by the National Science Foundation, and he has been honored with awards from foundations and associations around the world.