



2011

Research and Creative Achievement (2011)

Lynne Parker

Phillip Rack

Steven Richter

Ben Xue

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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.



Research and Creative Achievement honors are awarded to tenured faculty who have received national or international recognition in their field.

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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.