



2012

Research and Creative Achievement (2012)

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Syed Kamrul Islam

Stephen Paddison

John Wodarski

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Recommended Citation

Allington, Dick; Islam, Syed Kamrul; Paddison, Stephen; and Wodarski, John, "Research and Creative Achievement (2012)" (2012).
Chancellor's Honors/Citations.
http://trace.tennessee.edu/utk_chanhonor/139

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2012 Research and Creative Achievement

DICK ALLINGTON

Dick Allington, professor of education, has focused his recent research on summer reading loss and the significant gap in reading achievement between low-income students and other students. He has found that a student's reading level at the end of eighth grade is a direct reflection of the amount of reading done during summer months. His findings showed that providing books to low-income families could produce reading results as high as or higher than summer school classes. His research led to a large-scale book distribution. Many schools in the U.S. and Canada are now using Allington's research to design summer interventions to keep their students reading year-round.



SYED KAMRUL ISLAM

Syed Kamrul Islam, professor of electrical engineering and computer science, is involved in a variety of multidisciplinary research projects in molecular scale electronics and nanotechnology, semiconductor devices, biomicroelectronics, and monolithic sensors. His research has been supported by NASA, the Department of Energy, and others. The National Institutes of

Health recently funded his work to develop wireless integrated circuits for implantable glucose sensors—a project that has the potential to transform how people manage diabetes in the future.



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

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STEPHEN PADDISON

Stephen Paddison, professor of chemical and biomolecular engineering, is among the most accomplished researchers in the area of computational materials science and engineering. Considered one of the world's leading scholars in the field of proton exchange membranes for fuel cells, Paddison has secured funding of more than \$2.4 million for his substantial research, with an average of \$333,000 per year between 2009 and 2011. His work has yielded twenty-four papers and two book chapters in just the last five years.



JOHN WODARSKI

John Wodarski joined the College of Social Work in 2000. His research has led to significant contributions in the fields of social work and behavioral medicine. He has been the recipient of 146 federal, state, and private foundation awards to further the understanding of child and adolescent health behavior, behavioral medicine, violence, substance abuse, depression, sexuality, and employment.