

From September 2014 Scholar Spotlight:

ARCS SCHOLAR ALUM GRANTED TENURE AT UNIVERSITY OF WISCONSIN-MADISON

Matt Allen was an ARCS Scholar at the Georgia Institute of Technology during the 2003-2005 academic years. Following completion of his Ph.D. degree, Dr. Allen spent a year in research at Sandia National Laboratories as a Postdoctoral Appointee. He accepted an appointment to the University of Wisconsin-Madison in 2007 and was recently given tenure and promoted to Associate Professor in the Department of Engineering Physics.

Dr. Allen has co-authored numerous academic papers in scientific publications including Mechanical Systems and Signal Processing, Journal of Sound and Vibration, Journal of Acoustical Society of America and Nonlinear Dynamics. His most recent paper (co-authored with R. Kuether) focuses on "[A Numerical Approach to Directly Compute Nonlinear Normal Modes of Geometrically Nonlinear Finite Element Models](#)," Mechanical Systems and Signal Processing, In Press, 2014.

The focus of Dr. Allen's research is structural dynamics of linear, nonlinear and time-varying systems. This technology is the key to avoiding failures in high speed aircraft, wind turbines and automotive components to name just a few. Of note – Dr. Allen has been the principal investigator on over \$1.1 million of funded research including major grants from the National Science Foundation, Sandia National Laboratories and the Air Force Office of Scientific Research, where he received the Young Investigator Award.



Matt Allen, Ph.D.
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2003-2005