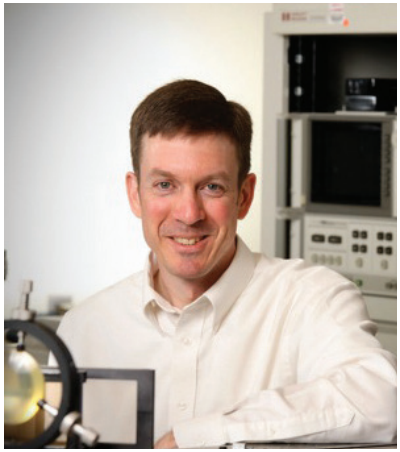
Outstanding Young Engineer Award:

This award recognizes MTT-S members, who have distinguished themselves through technical achievements, service to the MTT-S, or a combination of both. Nominees must not have reached their 39th birthday and must be an MTT-S member at the time of nomination. This year's recipients are **N. Scott Barker** and **Ryan Y. Miyamoto.**

N. Scott Barker
"For outstanding early career contributions to the microwave profession"



N. Scott Barker received the B.S.E.E. degree from the University of Virginia in 1994 and the M.S.E.E. and Ph.D. degree in electrical engineering from the University of Michigan, Ann Arbor, in 1996 and 1999 respectively.

In 1999 he joined the Naval Research Laboratory as a staff scientist in the Microwave Technology Branch. Since 2001 he has been with the Charles L. Brown Department of Electrical and Computer Engineering at the University of Virginia, Charlottesville where he is currently an associate professor. His research interests include applying MEMS and micromachining techniques to the development of millimeter-wave and terahertz circuits and components. He has over 60 publications and several patents in this field. In 2011 he started the company Dominion MicroProbes, Inc., to develop and market THz frequency technology co-invented by his group at the University of Virginia, including a 500-750 GHz on-wafer probe.

Prof. Barker has served on the MTT-21 technical committee on RF-MEMS since 2000 and was the committee chair from 2008 to 2011. He has also serves on the IMS Technical Program Review Committee. This past year he served on the Steering Committee of IMS2011 in Baltimore, and he is the TPC co-chair for IMS2014 in Tampa, FL. He served as an Associate Editor of the IEEE Microwave and Wireless Components Letters from 2008 to 2010 and is now an Associate Editor for the IEEE Transactions on Microwave Theory and Techniques.

Prof. Barker received the Charles L. Brown Department of Electrical and Computer Engineering New Faculty Teaching Award in 2006 and the Faculty Innovation Award in 2004. He is a recipient of the 2003 NSF CAREER Award, the 2000 IEEE Microwave Prize, and First and Second Place in the Student Paper Competition of the IEEE MTT-S International Microwave Symposium.