

William T Smith, Associate Professor

Degrees:

Ph.D. in Electrical Engineering: 1990
Virginia Polytechnic Institute and State University, Blacksburg, Virginia
M.S. in Electrical Engineering, 1986
Virginia Polytechnic Institute and State University, Blacksburg, Virginia
B.S. in Electrical Engineering, 1980
University of Kentucky

Number of Years of Service on this faculty: 21

Employment at University of Kentucky

Associate Professor, Fall 1996 to present
Associate Chair, ECE, Fall 2011 to present
Director of Undergraduate Studies, Dept. of Electrical and Computer Engineering, July 2006 to present.
Director of Graduate Studies, Dept. of Electrical and Computer Engineering, July 2000 to June, 2004.
Assistant Professor: Fall 1990 – Spring 1996

Other Related Experience:

Academic Visitor, IBM Austin Research Laboratory, Austin, Texas, Fall 1999 – Spring 2000.
NASA/ASEE Summer Faculty Fellow, NASA Langley Research Center, Hampton, Virginia, Summer 1991 and Summer 1992
RF Design Engineer, Harris Corporation, Melbourne, Florida, 1981-1984.

Consulting, Patents, etc.:

None

States in Which Registered:

None

Principle Publications (last 5 years):

Smith, S.W., K.E. Rouch, W.T. Smith and J.D. Jacob, "Multi-University and Industrial Collaboration for Research-Oriented Capstone Experience," National Capstone Design Conference – 2007, Boulder, CO, June 13-15, 2007

Jacob, J.D., J.E. Lumpp, Jr., S.W. Smith and W.T. Smith, "Multidisciplinary Design Experience of a High Altitude Inflatable Wing UAV for Aerospace Workforce Development," AIAA-2006-0093, 44th Aerospace Sciences Meeting and Exhibit, Reno, Nevada, January 9-12, 2006

Smith, S.W., J. Jacob, J. Lumpp, and W. Smith, "Aerospace Workforce Development Through a Multidisciplinary Student Demonstration of Autonomous Mars Airplane Technology," AIAA-2005-6983, AIAA Infotech@Aerospace Conference, Arlington, Virginia, September 26-29, 2005

Chandler, G.D., Jackson, D.K., Groves, A.W., Rawashdeh, O.A., Rawashdeh, N.A., Smith, W.T., Jacob, J.D., and Lumpp, Jr., J.E., "A Low-Cost Mission Controller for a High-Altitude UAV," IEEE Aerospace Conference, Big Sky, MT. March 6-10, 2005

Simpson A., O. Rawashdeh, J.D. Jacob, J.E. Lump, W.T. Smith and S.W. Smith, "BIG BLUE II: Mars Aircraft Prototype with Inflatable-Rigidizable Wings" AIAA-2005-0813, AIAA Aerospace Sciences Meeting, Reno, NV, Jan 10-13, 2005

Schaum's Easy Outlines: Electronic Devices and Circuits, Jimmie Cathey, author; William T. Smith, abridgement editor, McGraw-Hill, New York, 2006.

Schaum's Easy Outlines: Electric Circuits, Mahmood Nahvi, Joseph Edminister, authors; William T. Smith, abridgement editor; McGraw-Hill, New York, 2004.

Professional Memberships:

Member of IEEE

Honors and Awards:

Outstanding Engineering Professor Award, presented by Tau Beta Pi, University of Kentucky, 1999.

Outstanding Engineering Professor Award, presented by Tau Beta Pi, University of Kentucky, 1998.

Henry Mason Lutes Award for Undergraduate Engineering Education, College of Engineering, presented by the Engineering Alumni Association, University of Kentucky, 1995.

Outstanding Teacher of Electrical Engineering Award, presented by Eta Kappa Nu, University of Kentucky, 1994.

Short list, Chancellor's Award for Outstanding Teaching - Non-Tenured Faculty Category, University of Kentucky, 1993.

Outstanding Teacher of Electrical Engineering Award, presented by Eta Kappa Nu, University of Kentucky, 1992.

Institutional and Professional Service:

University Service: Graduate Council, Fall, 2006 to 2009; College of Engineering Undergraduate Studies Committee, Fall, 2006, continuing; College of Engineering Alumni Association, Board of Directors, 1995, continuing; Engineering Advising Committee, Fall 2010, continuing

Professional Service: Ad hoc reviewer for IEEE Antenna and Propagation Society

Percentage of time available for research or scholarly activities: 20%

Percentage of time committed to the program: 100%