



Randy Collins, Ph.D., PE

Randy Collins is a Professor of Electrical and Computer Engineering and the Associate Dean for Undergraduate and International Studies at Clemson University in Clemson SC. He is a native of Rockingham, NC and earned the BSEE from North Carolina State University in 1984 and the PhD in EE from Georgia Tech in 1989. He is a registered professional engineer in South Carolina, a senior member of the IEEE, and has been a faculty member at Clemson since 1989.

Dr. Collins' expertise lies in the areas of power electronics, adjustable speed drives, and power distribution systems, and he has focused much of his recent research to power quality and power system interface/compatibility issues. He serves on several IEEE committees, and is presently serves as the chair of the IEEE Standard 1159 Power Quality Monitoring Working Group. He has worked with a variety of utilities and industries on university research contracts and as an independent consultant and expert witness.

At Clemson, Dr. Collins is an acclaimed classroom teacher, and has received numerous teaching awards. However, his repertoire expands beyond the traditional classroom. He initiated Clemson's ECE department's entry into on-line undergraduate education with the development of an on-line version of ECE 360, *Electric Power Systems*. In his role as Associate Dean, he is leading Clemson's expansion of distance and distributed education offerings, both at the undergraduate and post-graduate levels.

In addition to teaching on campus, Dr. Collins frequently gives seminars and short courses to professionals in various areas of EE. Recent seminar topics have included *Power Quality, Basics of Electrical Engineering, Motor Drive Fundamentals, Power Quality and Harmonics, Enhancing Ridethrough*, and *PE Reviews in Power Systems, Electric Circuits, and Electric Motors and Generators*.

Dr. Collins has a keen interest in flying. He holds commercial and airline transport pilot ratings in single and multi-engine airplanes, as well as flight instructor ratings for single and multi-engine aircraft and instrument flying. He is an active instructor with the Clemson University Flying Club and has accumulated over 4300 hours of flight time and given over 1800 hours of flight instruction.