

Noel N. Schulz

Current position

Professor, School of Electrical Engineering and Computer Science
Voiland College of Engineering and Architecture
Washington State University

Achievements

- Research
 - A nationally recognized expert in power systems engineering who researches power systems modeling and analysis, smart grid applications, microgrids, renewable energy and shipboard power systems.
 - Published 175 papers and 2 book chapters
 - Brought in more than \$10 million in external research funding to Kansas State through individual and collaborative projects, including a National Science Foundation CAREER award
 - Research has been funded by a variety of agencies—including the National Science Foundation and the U.S. Departments of Defense, Energy, and Homeland Security—as well as electric utilities and power equipment manufacturers
- Mentorship
 - Actively involved in recruiting and retaining women in engineering, faculty development, and encouraging international experiences in education
 - Advanced faculty development activities, especially for nontenured faculty
 - Initiated faculty networks for women at three universities
- Teaching
 - Teaches courses in power systems, energy conversion, application of computer programs to power engineering, application of intelligent systems to engineering problems, fundamentals of electrical circuits, renewable and distributed generation, and smart grid technologies
 - Graduated 45 master's and 13 doctoral students
 - More than 21 years of teaching including experience at Kansas State University, Michigan Technological University, Mississippi State University, University of North Dakota, and Virginia Tech
- Awards

- 2014 IEEE Education Society Hewlett-Packard Harriet B. Rigas Award for outstanding contributions in advancing recruitment and retention of women in IEEE and the engineering professions
- 2014 American Society for Engineering Education (ASEE) Fellow
- 2016 Institute of Electrical and Electronics Engineers (IEEE) Fellow

Education

University of Minnesota-Twin Cities, Ph.D., 1995, Electrical Engineering, Minor: Computer Science

Virginia Tech, M.S., 1990, Electrical Engineering

Virginia Tech, B.S., 1988, Electrical Engineering

Professional background

WASHINGTON STATE UNIVERSITY

Present, professor, Voiland College of Engineering and Architecture, Washington State University

KANSAS STATE UNIVERSITY

2012–2016, associate dean for research and graduate programs in the College of Engineering

Director, Engineering Experimental Station

Director, Electrical Power Affiliates Program

Paslay Professor of Electrical and Computer Engineering

MISSISSIPPI STATE UNIVERSITY

2007–2009, Endowed Professorship as the Tennessee Valley Authority Professor in power systems engineering

Director of faculty development and women in engineering

MICHIGAN TECHNOLOGICAL UNIVERSITY, UNIVERSITY OF NORTH DAKOTA, VIRGINIA TECH

Instruction and research positions

Professional and academic affiliations

- IEEE Power and Energy Society, President, 2012-2013
- IEEE Power and Energy Society, Governing Board 2004-2015; Secretary, 2004-2007; Treasurer, 2008-2009; and President-elect, 2010-2011
- IEEE Electric Ship Technologies Symposium (ESTS), founding committee member, general conference chair for the IEEE ESTS in 2009
- IEEE Technical Activities Board (TAB), 2012
- The IEEE Women in Engineering Committee
- The American Society for Engineering Education (ASEE), board of directors, 2008-2010
- Eta Kappa Nu, the electrical engineering honorary society
- Tau Beta Pi, the engineering honorary society
- The Society of Women Engineers
- The National Society of Black Engineers

Personal interests and activities

A walk-on tennis player as a freshman at Virginia Tech

Family

Daughter of Charles "Butch" and Joan Nunnally, an electrical engineering professor and elementary school teacher, of Blacksburg, Virginia

Husband

Married in 1987 to Dr. Kirk Schulz, president of Washington State University

Two sons

Tim, computer scientist working at Sandia National Laboratory

Andrew, undergraduate in engineering at Oklahoma State University