



**Paul Weckler, PE**, professor, Oklahoma State University, is being honored for his dedication to research, teaching, and student development through academic and culturally diverse learning.

Paul Weckler is an emeritus professor of biosystems and agricultural engineering at Oklahoma State University (OSU). He conducts interdisciplinary research and development in the areas of electro-mechanical system engineering, sensors, instrumentation and automation. He also performs consulting engineering in the agriculture, energy, food and aerospace industries that includes patent litigation, product liability and safety, energy efficiency analysis, and new product development.

Currently, Weckler serves as a co-director of the Rural Renewal Initiative, one of OSU's four tier 1 research initiatives. The Rural Renewal Initiative supports the Land-Grant mission of OSU, utilizes the skills and experience of the entire OSU system, and attracts significant external funding. Weckler is also PI and co-director of the OSU application engineering program titled, "Enhancing the Oklahoma Alliance for Manufacturing Excellence with Applications Engineers in Rural Areas."

Before joining Oklahoma State University, Weckler was on the faculty of California Polytechnic State University-San Luis Obispo. His post-graduate experience includes senior engineering positions with the Electro Optical Systems Division of Litton Industries and with Aeromet Inc. involving the design, fabrication, calibration, field deployment and data reduction of airborne optical sensor systems.

In recent years, he has done significant international engineering work in Mongolia, Honduras, Guatemala and China. Weckler served 14 years as OSU's Engineers Without Borders (EWB) advisor. He initiated and integrated the EWB international project work into OSU's College of Engineering, Architecture, and Technology (CEAT) Study Abroad Program, resulting in his development of two new CEAT service learning courses.

Weckler is a 36-year ASABE member. He has been extensively involved as a member and leader within the ASABE Information Technology, Sensors and Control Systems, Education, Outreach and Professional Development, and Machinery Systems Technical Communities. He has received several awards throughout his career including the Massey-Ferguson Educational Gold Medal from ASABE.

Weckler has supervised 125 industry sponsored, real-world capstone senior design teams and has secured over \$400,000 in project funding. Over \$350,000 in cost savings have been realized by senior design clients, as well as 49 jobs created and at least 30 jobs retained. In addition, he was co-PI on a \$465,595 USDA Higher Education Challenge grant for a true interdisciplinary capstone senior project experience. Weckler is author or coauthor of more than 200 peer-reviewed articles, conference proceeding papers, and other publications.