



Gary T. Roberson, PE, professor and extension specialist, North Carolina State University, is being honored for his contributions to agricultural machinery and precision agriculture.

Roberson is the Charles W. Suggs Distinguished Professor and extension specialist in biological and agricultural engineering at North Carolina State University (NCSU). He teaches courses in agricultural and environmental safety and health, precision agriculture technology and GIS applications in agriculture. Since joining the NCSU faculty, he has taught ten different courses at associate, undergraduate, and graduate levels. Roberson's current extension program focuses on agricultural machinery systems, machinery management, and precision agriculture. His applied research focuses on applications of precision agriculture technology for crops grown in the Southeastern United States. Roberson was among the early adopters of precision agriculture technology in his applied research.

Roberson co-led a project to evaluate and introduce RTK-GPS automatic steering for peanut harvesting in North Carolina, demonstrating significant yield gains attributable to the technology. His use of precision agriculture technology in his projects on multiple research stations contributed to the technology being adopted on a wider scale across the North Carolina Department of Agriculture and Consumer Services. He is currently engaged in the use of in-field and aerial sensor technology to evaluate application of fertilizer, plant growth regulators and defoliants in cotton. He is also engaged in evaluating application technologies for fertilizer and other crop products.

Roberson is a 42-year member of ASABE. Throughout his membership, Roberson has contributed as a member and leader on a number of committees including the machinery management and logistics, precision agriculture, and unmanned aerial systems committees. He has also served as a representative of the Ergonomics, Safety, and Health Technical Community to the Standards and Technical Council. He maintains memberships with the North American Colleges and Teachers of Agriculture and the International Society for Agricultural Safety and Health.

Roberson has authored or coauthored more than 120 peer-reviewed articles, extension publications, and other publications and presentations. He contributes a chapter to two annual extension production guides. He has also been principal investigator or co-principal investigator on 33 grant funded projects. Throughout his career, Roberson has received a number of awards. He recently became the Charles W. Suggs Distinguished Professor and an Alumni Distinguished Undergraduate Professor at NCSU. He is a member of the Academy of Outstanding Teachers, also at NCSU. He has received a number of awards for his extension work including several ASABE Educational Aids Blue Ribbons.