

2018 ASABE Fellow



Steven K. Mickelson, chair and Chuck R. and Jane F. Olsen Professor of Engineering, Department of Agricultural and Biosystems Engineering, Iowa State University, is being honored for sustained exemplary performance in teaching and learning, university administration, and resource conservation research.

Mickelson has led the agricultural and biological systems engineering department at Iowa State

University to the top-ranked position in undergraduate education within the United States. His leadership and expertise in the classroom has made a positive and lasting impact on the new generation of scientists and engineers. During his tenure as chair, Mickelson has seen enrollment of agricultural and biological engineering students grow to more than 900 total students, making it the largest program in the country.

Mickelson spearheaded a strong partnership with the Georgian Technical University (GTU), supported by grants from the Engineering Information Foundation, North American Trade Organization, and GTU. This established a community college program in Gori, Georgia, and a new College of Agriculture in Tbilisi, Georgia. This program now offers three new degrees: agricultural engineering; land and water resources engineering, animal science, and agronomy.

A 28-year member of ASABE, Mickelson is actively involved in several ASABE committees. He is a longstanding member and leader in several Natural Resources and Environmental Systems committees including the Conservation Systems committee and Erosion Control group committee. He has also been an active member on several Education, Outreach, and Professional Development committees, including the Undergraduate Engineering Program and Instructional Chairs, the Engineering and Technology Accreditation, and the Engineering Technology and Management Education committees. Mickelson also maintains a membership in the American Society for Engineering Education.

Mickelson is author or coauthor of more than 60 peer reviewed articles. He is also a coauthor of *Engineering Fundamentals and Problem Solving*, a textbook that has been used by thousands of freshmen engineering students for decades. Throughout his career, Mickelson has received numerous awards. He received the Corly Brooke Learning Community Advocate award in 2014. Also in 2014, Mickelson received an honorary degree from Georgia Technical University. Mickelson is a member of several honor societies, including the Epsilon Pi Tau, Tau Beta Pi, Gamma Sigma Delta, and Alpha Epsilon. He has also received many paper awards and faculty awards from Iowa State University, including the ISU Agricultural and Biosystems Engineering Chair's Faculty Citation award and the ISU Award for Departmental Leadership. In 2017, he received the ASABE James Gilley Academic Leadership award.