



## John M. Shutske

**John M. Shutske** is the recipient of the 2022 SMV Technologies Ergonomics, Safety, and Health award for his leadership embodying interdisciplinary teamwork to transcend long-accepted problems through engineering and education for a safer and healthier agricultural workplace.

Shutske is a professor in biological systems engineering and directs the cross-disciplinary research of the Center for Agricultural Safety and Health at the University of Wisconsin. He leads research and extension outreach programs in prevention of workplace injury, disease, public health, and other occupational health issues for farmers and members of the agricultural community. Shutske conducts research in the adoption and evaluation of digital computing, data, technology, and sensor use in agriculture. He has also consistently provided undergraduate and graduate education in engineering design, safety engineering, agricultural health and safety, and public health preparedness from an engineering and hazard control perspective.

Throughout his career, Shutske has made significant improvements to agricultural workplace safety and health conditions and reduction of property loss. He also conducted some of the early research in child development and its applications in farm injury prevention. This work eventually led to the multi-national development of the North American Guidelines for Children's Agricultural Tasks, led by the National Farm Medicine Center, one of Shutske's longtime collaborators. He has led innovative

research in agricultural machinery fire control, sensor and control system development, and creation of culturally, linguistically, and ethnically appropriate agricultural safety and health intervention strategies for underserved and underrepresented audiences. Shutske leads a collaborative agricultural safety and health project focused on the health of Latinx and other immigrant dairy farmworkers, applying engineering systems frameworks to protect workers and overall public health from antibiotic resistant pathogens and genetic material that conveys resistance.

A 32-year member of ASABE, Shutske has served as a longtime member within the Ergonomics, Safety, and Health Executive/Steering and Technology Exchange committees. He is also a member of the Executive Digital Strategy committee.

Shutske is author or coauthor of more than 430 peer-reviewed articles, extension publications, book chapters, conference proceeding papers, and other publications. Throughout his career, Shutske has received a number of awards for his work in education and health and safety. He received a 2017 Outstanding Alumnus award from the agricultural and biological engineering department at Purdue University, the Chancellor's Award for Excellence from the University of Wisconsin Colleges and University of Wisconsin-Extension, and a Program Innovation award from the University of Wisconsin Extension, Agricultural and Natural Resources Program area.

