

Steven A. Freeman, CSP

University Professor

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Education

Ph.D. Agricultural Engineering, 1993, Purdue University

M.S. Agricultural Engineering, 1990, Texas A&M University

B.S. Agricultural Engineering, 1988, Colorado State University

Honors and Awards

Distinguished JTMAE Reviewer Service Award (2016)

Wilbur L. Layton Faculty Recognition Award (2016)

ASABE Superior Paper Award (2015)

Outstanding CTER Manuscript (2013)

Recent Publications

Boylan-Ashraf, P., **S.A. Freeman**, M.C. Shelley, O. Keles. 2017. Can students flourish in engineering classrooms?. *Journal of STEM Education: Innovations and Research* 18(1): 16-24.

Laingen, M., T. Brumm, **S. Freeman**, M. Shelley, and S. Mickelson. 2016. Workplace competency assessment in experiential learning: A longitudinal comparison of supervisor and student self-assessment ratings across two accreditation cycles. *Journal of Engineering Technology; Washington* 33(2):18-33.

Marcketti, S.B., **S.A. Freeman**. 2016. SoTL evidence on promotion and tenure vitas at a research university. *Journal of the Scholarship of Teaching and Learning* 16(5):19-31.

Boylan-Ashraf, P., **S.A. Freeman**, and M.C. Shelley. 2015. A case for the need of using scaffolding methods in teaching introductory, fundamental engineering mechanics courses. *Journal of STEM Education: Innovations and Research* 16(4):40-46.

Mosher, G.A., N. Keren, **S.A. Freeman**, and C. R. Hurburgh, Jr. 2014. Development of safety decision-making scenario to measure worker safety in agriculture. *Journal of Agricultural Safety and Health* 20(2):91-97.

Withers, J.H. and **S.A. Freeman**. 2013. Case study: The importance of the assessment technique in chemical safety training on a college campus. *Journal of SH&E Research* 9(2): 89-93.

Teaching

Dr. Freeman coordinates the occupational safety option within the industrial technology curriculum and the occupational safety certificate. His undergraduate teaching responsibilities are in the occupational safety curriculum. His graduate teaching responsibilities are in the areas of curriculum development and teaching practicum.

Research

Dr. Freeman's scholarship and discovery activities are focused in two areas:

- Occupational and rural safety, and
- The scholarship of teaching and learning

Dr. Freeman's safety research agenda is to improve the safety and welfare of rural populations and workers by understanding the factors (environmental, technological, and human) that impact their safety and welfare in order to develop appropriate intervention strategies. This encompasses the areas of occupational safety, rural safety, and safety education/training. His primary interest is in applied research and technology/information transfer activities that impact the safety and health of agriculture and rural communities. Dr. Freeman's scholarship of teaching and learning agenda is to improve the process of learning and the learning environment. This encompasses learning communities, curriculum development, and classroom assessment. He also has a specific interest in computer applications related to safety education and the dissemination of safety information.

Other Professional Activities

Dr. Freeman is the Faculty Advisor to the ISU president. His responsibilities in this role include providing advice regarding faculty, staff, and student conduct issues and grievances, leading university level initiatives including the 2017-2022 university strategic plan, and serving as a liaison for the president's office on faculty governance issues. Dr. Freeman is deeply involved in faculty shared governance. He is a past president of the ISU faculty senate and currently serves as chair of the College of Agriculture and Life Sciences faculty caucus. Dr. Freeman also currently chairs the ISU Athletics Council.

