



Tami M. Brown-Brandl, professor and Dr. William E. and Eleanor L. Splinter Chair, Precision Livestock Engineer, University of Nebraska-Lincoln, is being honored for her lasting contributions to animal energetics and precision animal management.

Brown-Brandl's career research has led to the development of a forecast cattle heat stress website and a smartphone application. Her work has resulted

in updates to American Society of Heating, Refrigerating and Air-Conditioning Engineers and ASABE standards for heat and moisture production data for all phases of swine production. In addition, Brown-Brandl's research has led to new innovations in precision livestock farming including technologies like sensors, RFID systems, and cameras, into animal production to record and summarize individual animal responses. Brown-Brandl has worked on methods of predicting individual animal well-being including stress and illness. In pursuit of her research, Brown-Brandl has developed models to predict animal susceptibility to heat stress using a knowledge-based hierarchical fuzzy inference system model.

A 24-year member of ASABE, Brown-Brandl is an active member of many ASABE committees. She is a member of the ASABE nominating committee and served as a trustee on the ASABE Board of Trustees from 2008-2010. She was also a member of both the ASABE Path Forward and the Future Thinking committees. Brown-Brandl has served in a variety of leadership positions for the International Livestock Environment Symposium (ILES). Currently, she is the Program Co-Chair for ILES and for the 1st Precision Livestock Farming Conference. Brown-Brandl is also very involved in K-12 outreach within her community, volunteering as a FIRST Lego league coach and a FIRST robotics competition coach and mentor. She has also worked as a FIRST tech challenge coach. Brown-Brandl is a member of the International Commission for Agricultural Engineers (CIGR), the International Society of Biometeorology, and the American Society of Heating, Refrigerating, and Air Conditioning Engineers.

Brown-Brandl has authored or co-authored more than 200 peer-reviewed publications, conference proceeding papers, and invited presentations. She has received a large number of awards. She has received several Certificates of Merit and a Merit award from the USDA-ARS. In 2002, Brown-Brandl received the International Society of Biometeorology award for a Outstanding Young Scientist in the field of Animal Biometeorology. She has also received several ASABE outstanding paper awards and three ASABE presidential citations.