

International Symposium *on* Precision Systems and Data Analysis in Animal Agriculture

Monday September 9, 2019		
9:30 -10:00	Registration, Welcome and Review of Schedule	
Session 1: Animal Production, Health and Welfare: Application of Precision Systems		
Dr. Jeffrey Bewley	Alltech, Inc.	Precision Technologies: Challenges and Opportunities
Farmer Panel		Successful Incorporation of Technology in Commercial Operations
11:15 - 1:00	Lunch <i>included in registration fee</i>	
Dr. Tami Brown-Brandl	University of Nebraska/USDA-ARS	Continuous automated data acquisition for monitoring of animal health and welfare
Dr. Natalie Wisniewski	Profusa Tech	Current and Future Trends in Implantable and Wearable Sensors for Animal Use
Dr. David Roberts	NC State	Adapting Sensor Technology to Animals
4:00-5:00	Research Presentations, Poster viewing, tradeshow, networking	
5:00 - 6:00	Reception at StateView; Dinner <i>on own</i>	
Tuesday September 10, 2019		
7:00 - 8:00	Breakfast <i>included in registration fee</i>	
Session 2: Big Data Mining and Machine Learning: Combining Sensors with Statistics		
Dr. Andrew Lenkaitis	GEA	Automation Aimed at Reducing Labor and Increasing Efficiency of Production
Dr. Jason Ward	BAE, NC State	Digital Natives: Training the Next Generation of Farm Labor
Dr. Natalie Nelson	BAE, NC State	Enhancing Food Animal Production Undergraduates' Data Science Education through an Immersive Summer Fellowship Program
Dr. Maurice Pitesky	UC Davis	Next generation radar work with waterfowl surveillance for AI monitoring
12:00	Conference wrap-up, final discussions	

12:30- 3:00

Tour NC State Lake Wheeler Livestock and Dairy Units

optional, separate registration required