



## **New Holland Young Researcher Award**

**Matt Darr**

**Matt Darr**, is the 2017 recipient of the New Holland Young Researcher award for outstanding research in biomass feedstock logistics and advanced machinery engineering.

Darr is a professor and Kinze Manufacturing Fellow in agricultural and biosystems engineering at Iowa State University in Ames, Iowa. He manages a team of university professionals who provide leadership on a range of agricultural technology topics including precision agriculture, telematic data analytics, unmanned aerial systems and next-generation machinery automation.

Darr has developed a unique program at Iowa State University that leverages excellence in core science into commercially viable technologies. He utilizes practical problem solving approaches to develop innovative solutions using new and proven technologies. He continues his work past the demonstration phase to develop application for full scale, field tested equipment to support in field evaluation and development of new systems.

Darr's research programs operate at a high level of success because of his team's data driven approach that consistently develops innovative solutions using proven and new technologies. When new technologies are incorporated, Darr's collaborative approach involves industry and university partners to bring additional expertise to fully

define the product solution. His research program is operated like an engineering firm with an emphasis on learning, and because of this, his students are engaged at a very high, professional level.

A 19 year member of ASABE, Darr is a longstanding participant and leader within the Machinery Systems technical community, Precision Agricultural committee, Automation committee, and the Forage and Biomass Engineering committee. Darr is active in the ASABE Iowa Section and has served as programs chair, section chair, and on the nominating committee. Darr is also a founding board member of the Agricultural Data Coalition.

Darr is author or coauthor of more than 100 refereed journal articles, conference proceedings, and other publications. He is listed as an inventor or coinventor on 25 US patents and technology license agreements. Throughout his career, Darr has received many awards, including the 2016 Supplier Innovation award for Yield Sensor Technology from Deere & Company and the Iowa State University award for Achievement in Intellectual Property. He also received the Early Career Engineering Faculty Research award from the Iowa State University College of Engineering and a PrecisionAg Excellence award in education and research from the PrecisionAg Institute.