7:30-8:00 AM – Registration

8:00-8:15 AM – Call to Order and Introductions – Richard Currin (158 Weaver Labs)

Keynote Address

* 8:15-9:00 AM - Roger Hoy, UNL Tractor Testing Laboratory

Updates on BAE Programs & Initiatives

* 9:00-9:15 AM – Update on NC A&T BAE Program
* 9:15-9:30 AM – Update on NC State BAE Program
* 9:30-9:45 AM – NSF CREST Bioenergy Center

Break – 9:45-10:00 AM

Big Data Applications in Biological & Agricultural Engineering

* 10:00-10:20 AM – Overview of Big Data Approaches – Natalie Nelson
* 10:20-10:40 AM – Animal Waste Management Example – Mahmoud Sharara
* 10:40-11:00 AM – Precision Agriculture Example – Jason Ward
* 11:00-11:20 AM – Precision Agriculture Example – Precision Hawk (Bobby Vick)
* 11:20-11:40 AM – Water Quality Example - Francois Birgand

Ethics

* 11:40-12:00 PM – North Carolina Board of Examiners for Engineers and Surveyors (David Evans)

Lunch with Student Club Updates – 12:00-1:30 PM

* 12:40-12:50 PM – ASABE Student Club at NC State
* 12:50-1:00 PM – ASABE Student Club at NC A&T
* 1:00-1:10 PM – Pack Pullers
* 1:10-1:20 PM – Alpha Epsilon
* 1:20-1:30 PM – Graduate Student Association

1:30-1:45 PM - Break

1:45-2:30 PM – Business Meeting for NC State Section Members

2:30-4:30 PM – ASABE Student Club Poster Session & Research Poster Session