

NC-213 “Marketing and Delivery of Quality Grains and BioProcess Coproducts” -- Program Agenda

(NC-213 – The U.S. Quality Grains Research Consortium)

Program-At-A-Glance: (Host Facility and Lodging: Gateway Hotel & Conference Center at Iowa State University. U.S. 30 and University Boulevard-Exit 146, Ames, Iowa USA.) To make reservations, call 1-800-367-2637 by Monday, February 4, 2019. Mention “NC-213 Annual Meeting 2019” Rate: \$119.00 plus applicable taxes. **New for 2019: Registration Fees: Credit Card and Purchase Order (Made payable to; “The Ohio State University”)**

Tuesday, February 26, 2019:

- 8:00AM Tour of Iowa State University facilities. (Please see tour details on the next page.)
- 12:00PM (Noon) **NC-213 Meeting Registration Opens.** Poster Display is available. Boxed lunches are available. (See registration form for details.)
- 1:00PM **NC-213 Technical Session Presentations begin.**
Location: (Garden Room.)
- 4:00PM – 6:00PM **NC-213 Poster Showing/Student Poster Competition/Networking Gathering.**
Location: (North Prairie Room.) Cash bar available with two drink tickets provided to all paid registrants for beer, wine, juices and sodas. Hors D' Oeuvres will also be served.
- 6:00PM Dinner on your own.

Wednesday, February 27, 2019:

- 7:00AM **Buffet Breakfast for all registered and paid participants.**
Location: (Garden Room.)
- 8:00AM **NC-213 Technical Session Presentations begin.**
- 12:30PM **Buffet Lunch - To include NC-213 Annual Business Meeting, Awards Presentations. Meeting Adjourned.**

(Please note: The NC-213 Annual Executive Committee will be holding their annual executive meeting *teleconference* on Friday, February 8, 2019.)

Tuesday, February 26, 2019:

Iowa State University expects to have vans to transport meeting participants from the Gateway Hotel to the Campus locations and back to the Hotel as this will eliminate parking hassles on campus.

The proposed schedule is below (*subject to change*):

The Campus tour will start on **Tuesday, Feb. 26, 2019**, at approximately 8:30AM.

8:00 - 8:30AM: Visitors will leave the Hotel and travel to the ISU campus.

8:30 – 9:00AM: Grain Quality Lab–National Swine Research Institute (NSRIC).

9: 15 – 10:00AM: Center for Crops Utilization Research (CCUR)-Food Science Building.

10:15 – 11:00AM: Feed Technology Lab - Sukup Hall.

11:15AM: End of the Campus tour. Participants will be transported back to Gateway Hotel.

12:00PM (Noon) **NC-213 Annual Meeting Registration Opens.** Poster Display is available.
Boxed lunches are available. (See registration form for details.)

1:00PM Welcome by Dr. Anton Bekkerman, Associate Professor of Economics, Montana State University, NC-213 Chair.

Comments and General Update by Dr. David A. Benfield, The Ohio State University, NC-213 Administrative Advisor/Coordinator.

Objective 1 Technical Presentations: “To characterize quality and safety attributes of cereals, oilseeds, and their processed products, and to develop related measurement systems.”

1:30PM – 1:45PM University of Illinois at Urbana-Champaign.
“Multi-Spectral Identification of Aflatoxin and Fumonisin in Single-Kernels of Texas Commerican Corn.”
Presenter: Matthew Jon Stasiewicz. Author(s): Xianbin (Eric) Cheng and Matthew Jon Stasiewicz

1:45PM - 2:00PM USDA, ARS, Manhattan, Kansas.
“Fumigation Monitoring of Packaged Flour in Railcars using Remote ph3 Sensors.”
Presenter: Daniel Brabec. Author: Daniel Brabec


2:00PM – 2:15PM Oklahoma State University.
“Quantifying Grain Storage Structure Leakage by Pressure Testing.”
Presenter: Carol Jones. Author(s): Carol Jones and Taylor Conley

2:15PM – 2:30PM Kansas State University.
“Development of Efficient Milling Practices for Processing White Sorghum.”
Presenter: Mohana Yoganandan. Author(s): Mohana Yoganandan, Kaliramesh Siliveru and Scott Bean

2:30PM – 2:45PM Iowa State University.
“Analysis of Soybean Meal Protein Content Using NIR Hyperspectral Imaging.”
Presenter: Princess Tiffany Dantes. Author(s): Princess Tiffany Dantes and Charles Hurburgh

2:45PM – 3:00PM Break.

Objective 2 Technical Presentations: “To develop efficient operating and management systems that maintain quality, capture value, and preserve food safety in the farm-to-user supply chain.”

- 3:00PM – 3:15PM Iowa State University.
“Methods and Guidelines for Enabling Traceability in the Bulk Product Supply Chain.”
Presenter: Richa Sharma. Author(s): Richa Sharma, Charles Hurburgh, Shweta Chopra and Gretchen Mosher
- 3:15PM – 3:30PM Iowa State University.
“Application of Blockchain Technology in Agri-Food Supply Chain.”
Presenter: Priyanka Gupta. Author(s): Priyanka Gupta and Shweta Chopra
- 3:30PM – 3:45PM Iowa State University.
“Role of Worker Decision Making in Effective Food Safety Modernization Act Implementation.”
Presenter: Erin Bowers. Author(s): Erin Bowers and Gretchen Mosher
(Funded research made possible by The Andersons Research Grant Program – Regular Competition 2017.) 
- 3:45PM – 4:00PM Iowa State University.
“Testing Plastic Films for Air Tightness of Hermetic Storage Bags.”
Presenter: Cristine Ignacio. Author(s): Sam Cook, Carl Bern and Dirk Maier

Last presentation of the day due to poster showing.


- 4:00PM – 6:00PM NC-213 Poster Showing/Student Poster Competition/Networking Gathering.** Students may stand by their poster. Please note: To be eligible for judging for the People’s Choice Award, individual will be judged as a graduate student and must be present.
- Join NC-213 Colleagues, Students, and Industry Partners. Enjoy a beverage and Hors D’ Oeuvers.
- 6:00PM Poster Showing Ends. Dinner on your own.

Wednesday, February 27, 2019

- 7:00AM – 8:00AM Registered and paid meeting participants can enjoy a Buffet Breakfast. (Garden Room.)
- 8:00AM – 8:15AM Montana State University.
“We Asked, They Answered: Montana Farmer’s Grain Production and Elevator’s Grain Grading Decisions.”
Presenter: Anton Bekkerman
- 8:15AM – 8:30AM USDA-ARS, Manhattan, Kansas.
“Growth and Development of the Red Flour Beetle on Rice Milling Fraction.”
Presenter: Frank Arthur. Author(s): F. H. Arthur, B. Hale, T. McKay, L. Starkus, A. R. Gerken and J. F. Campbell
- 8:30AM – 8:45AM USDA-ARS, Manhattan, Kansas.
“Effect of long-lasting Insecticide Netting on the Dispersal and Movement of Immature Stored Product Insects.”
Presenter: Rob Morrison. Author(s): R. Morrison and R. Wilkins

- 8:45AM – 9:00AM University of Arkansas Fayetteville.
 “One-pass Drying of High Moisture Parboiled Rice using 915-MHz Microwave – Feasibility, Quality and Energy Use Considerations.”
 Presenter: Deandrae Smith. Author(s): Griffiths Atungulu and Deandrae Smith
- 9:00AM – 9:15AM University of Arkansas Fayetteville.
 “Assessment of New Approaches of On-farm, In-bin Chilling Aeration and Drying Management on Rice Quality Characteristics.”
 Presenter: Soraya Shafiekhani. Author(s): Griffiths Atungulu and Soraya Shafiekhani
- 9:15AM – 9:30AM Iowa State University.
 “Identification and Testing of Physical Parameters to Quantify the Behavior of Grain Flow for Traceability Purposes.”
 Presenter: Heather H. Tenboer. Author(s): Charles R. Hurburgh, Heather H. Tenboer and Gretchen A. Mosher
- 9:30AM - 9:45AM Oklahoma State University.
 “Electronic Nose: Detection of Mold in Grain.”
 Presenter: Sarah Riley. Author(s): Carol Jones and Sarah Riley
- 9:45AM – 10:00AM Break.**
- 10:00AM – 10:15AM Iowa State University.
 “Wireless Sensors for Quality Monitoring and Management of Stored Grain Inventories.”
 Presenter: Roger Aby. Author: Dirk Maier
(Funded research made possible by The Andersons Research Grant Program – Regular Competition 2017.) 
- 10:15AM – 10:30AM Iowa State University.
 “Disturbance to Control Insects in Stored Grain.”
 Presenter: Mike Sserunjogi. Author(s): Tom Brumm, Dirk Maier and Carl Bern
- 10:30AM – 10:45AM Centaur
 “Predictions of Stored Grain Condition using Computational Fluid Dynamics Modeling.”
 Presenter: Efstathios Kaloudis. Author(s): Efstathios Kaloudis, Sotiris Bantas, Vasilis Sotiroudas and Christos Athanassiou

Objective 3 Technical Presentations: “To be a multi-institutional framework for the creation of measureable impacts generated by improvements in the supply chain that maintain quality, increase value, and protect food safety/security.

- 10:45AM – 11:00AM Lead Institution: Iowa State University.
 “Segregation Strategies for Non-GM Corn: Improving Effectiveness through an Analytical Modeling Approach.”
 Presenter: Chad Dolphin. Author(s): R. P. Kingsly Ambrose, Chad J. Dolphin and Gretchen A. Mosher
(Funded research made possible by The Andersons Research Grant Program – Team Competition 2016.) 
- 11:00AM – 11:15AM Oklahoma State University.
 “The Value of Weather Forecasts in Controlling Insects in a Food Processing Facility: A Real Option Approach.”
 Presenter: Brian D. Adam. Author(s): Suling Duan and Brian D. Adam

11:15AM – 11:30AM

Iowa State University.
"Strategies for Selective Handling of Soybeans to Maximize Soybean Meal Protein and Yield."
Presenter: Bennett Barr. Author(s): Bennett Barr and Charles Hurburgh

11:30AM

Industry Panel Discussion. Discussion to be led by Chuck Hill, AgriGold Hybrids, NC-213 Industry Advisory Committee-Chair.

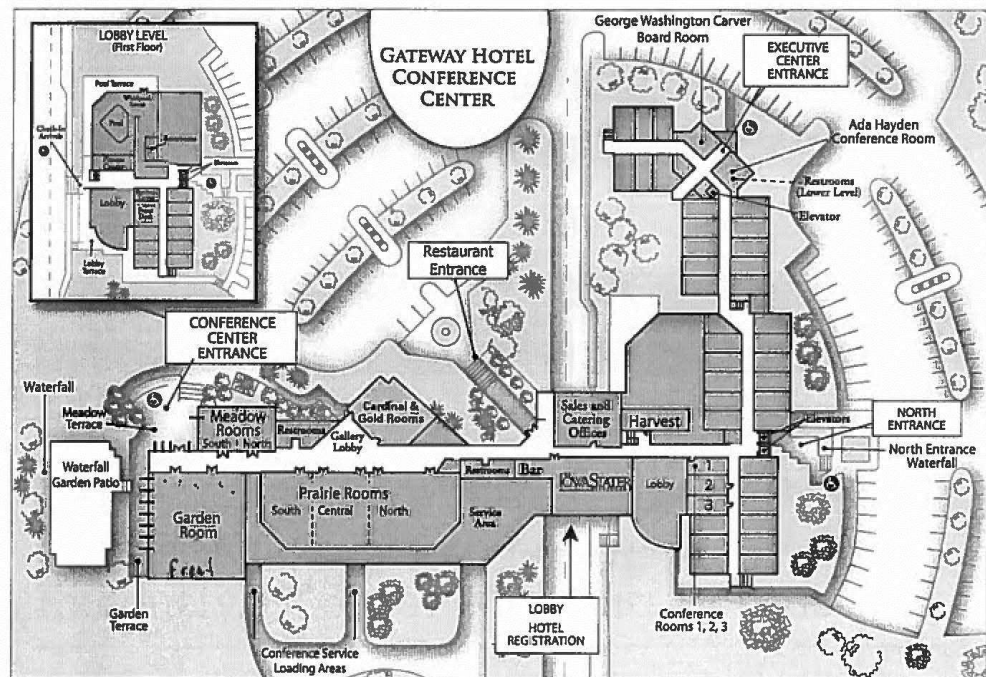
12:30PM

Lunch with NC-213 Annual Business Meeting and Awards Presentation. 2019 NC-213 Annual Meeting Adjourned.

Notes: _____

Gateway room layout.

Facilities



Friday, February 01, 2019