

The Fifth International Starch Technology Conference

June 3-6, 2007, Holiday Inn, Urbana, Illinois

Agenda as of May 21, 2007; www.starchconference.org

Sunday, June 3, 2007

- 4:00 Registration
- 6:00 Casual Reception, U of I Arboretum and Gardens

Monday, June 4, 2007

- 7:30 Registration and Continental Breakfast
- 8:45 *Building a Prosperous Future Where Agriculture Produces and Uses Energy Efficiently and Effectively*, James Fischer, Research, Education and Economics, USDA
- 9:30 Break
- 10:00 *Economics of Biomass Gasification and Combustion at Fuel Ethanol Plants*, Douglas Tiffany, University of Minnesota
- 10:45 Break
- 11:15 *Disc Mill Energy Issues*, William Enterline, Andritz Sprout
- 11:30 *Drying of Grain Residues and Sludges Using Biomass Fuels*, George Svonja, Barr Rosin
- 12:00 Lunch
- 1:30 *Plate Heat Exchanger Design*, John Robertson, Alfa Laval
- 1:45 *Ethanol as an Economic Competitor to Gasoline*, Andrew McAloon, Eastern Regional Research Center, ARS, USDA
- 2:15 Break
- 2:45 *Production of Ethanol and DDGS from Barley Containing Reduced Beta-Glucan and Phytic Acid*, Mian Li, Genencor International
- 3:00 *Sources of Variation in Dry Grind Processing Streams*, Ronald Belyea, University of Missouri
- 3:15 *An Overview of United States Sorghum Starch and Ethanol Production*, Jeff Dahlberg, National Sorghum Producers Association
- 3:30 Refreshments with Poster and Exhibit Review

Tuesday, June 5, 2007

- 7:30 Registration and Continental Breakfast
- 8:45 *Ethanol Reality Check*, Rodney Fink, Western Illinois University
- 9:15 *Characterization of Glucoamylases for Conventional Simultaneous Saccharification and Fermentation*, Chee-Leong Soong, Novozymes
- 9:30 Break
- 10:00 *Fuel Ethanol Life Cycle Energy Use and Greenhouse Gas Emissions*, May M. Wu, Argonne National Laboratory
- 10:30 *Continuing Evaluation of Low Conductivity Electrodialysis as an Alternative or Complement to Ion Exchange Resins in Starch Processing*, Daniel Bar, AMERIDIA
- 10:45 Break
- 11:15 *Fuel Ethanol Policy in the United States: Overview and Policy Alternatives*, Kelly Tiller, University of Tennessee
- 12:00 Lunch

Tuesday, June 5, 2007 (cont.)

- 1:30 *Modification of Starch by Branching Enzyme From *Rhodothermus Obamensis**, Anders Viksø-Nielsen, Novozymes A/S
- 1:45 *A Primer for Lignocellulose Biochemical Conversion to Fuel Ethanol*, Bruce Dien, National Center for Agricultural Utilization Research, ARS, USDA
- 2:15 Break
- 2:45 *Energy Savings Through Better Use of Separators*, Tristan Merediz, Westfalia Separator
- 3:15 *Ultrasound Pretreatment of Corn Slurry to Enhance Sugar Release*, Samir Khanal, Iowa State University
- 3:45 Refreshments with Poster and Exhibit Review

Wednesday, June 6, 2007

- 7:30 Registration and Continental Breakfast
- 8:45 *Energy and Protein: A Global Perspective*, David Cook, Cargill
- 9:15 *The Use of Biosolids to Generate Steam at Dry Grind Ethanol Production Facilities*, Gregory Coil, M. A. Mortenson Company
- 9:30 Break
- 10:00 *Benchmarking Industrial Energy Performance: The Energy Star Approach*, Walt Tunnessen, US EPA, Energy Star
- 10:45 Break
- 11:15 *Membrane Processes: Opportunities in Corn Processing*, William Koros, Georgia Institute of Technology
- 12:00 Adjournment and Box Lunch

Poster Presentations

- Deposition control in bioprocess equipment to increase plant efficiency;* C. Batton
- Oil, corn and ethanol: no more cheap food;* R. Belyea, J. Horner, K. Rausch and M. Tumbleson
- Coproduction of fuel ethanol and new value added coproducts;* D. Johnston
- Starch components and properties in Triticale and other cereals;* J. Lu, B. Lee, B. Beres, A. Laroche, D. Gaudet and F. Eudes
- Biofuels production in the Pacific Northwest: opportunities and challenges;* G. Murthy
- Improvements in corn gluten dewatering;* D. Scheimann
- Sorghum as a viable renewable resource for biofuels and biobased products;* X. Wu, R. Zhao, S. Bean, P. Seib, J. McLaren, R. Madl, M. Tuinstra, M. Lenz and D. Wang
- Enzyme production by industrially relevant fungi cultured on coproducts from corn dry grind ethanol plants;* E. Ximenes, B. Dien, M. Ladisch, N. Mosier, M. Cotta and X. Li