

The Seventh International  
Starch Technology Conference

June 5-8, 2011



Holiday Inn  
Urbana, Illinois

Updated Agenda

**Sunday, June 5**

- 4:00 Registration open, Holiday Inn
- 6:00 Casual reception and dinner, Sunken Gardens and Arboretum, University of Illinois
- 7:30 Registration closes, Holiday Inn

**Monday, June 6**

- 8:00 Registration open
- 8:00 Continental breakfast in exhibit area
- 8:30 Welcome
- 9:00 Leif Solheim (keynote), Archer Daniels Midland, *Expensive petroleum generates increased opportunities for agricultural commodities*
- 9:45 Break, Exhibit and Poster Viewing
- 10:15 Michael Hightower, Sandia National Laboratories, *Improving water use efficiency in biofuels production: energy supply, reliability and environmental considerations*
- 10:30 Registration closes
- 11:00 Stephen Hughes, National Center for Agricultural Utilization Research, ARS, USDA, *High-throughput automated molecular biology platform for production of fuel ethanol yeast that express high value heterologous proteins*
- 11:45 Lunch (exhibits closed during this time)
- 1:15 Thava Vasanthan, University of Alberta, *Phenolic acids in cereal grains and their inhibitory effect on starch liquefaction and saccharification*
- 2:00 Sung Ho Lee, Genencor, *Enzymatic process for DP4 production*
- 2:30 Break, Exhibit and Poster Viewing
- 2:45 Frank Lipnizki, Alfa Laval, *Membrane glucose demudding by a decanter-membrane synergy process: challenges and benefits*
- 3:30 Shuttle to ribbon cutting
- 4:30 Ribbon cutting ceremony with refreshments, CABER Bioprocessing Laboratory, 1302 W. Pennsylvania Ave., Urbana

We also have posters that will be presented during breaks and at the Tuesday reception.

**Tuesday, June 7**

- 7:30 Continental breakfast in exhibit area
- 8:00 David Sessa, National Center for Agricultural Utilization Research, ARS, USDA, *Zein purification: the process, the product, market potential*
- 8:45 Break, Exhibit and Poster Viewing
- 9:00 John Lawton, POET, *Zein recovery from coproducts of a raw starch fermentation bioethanol process*
- 9:45 Kenneth Bischoff, National Center for Agricultural Utilization Research, ARS, USDA, *Bacterial contamination of commercial starch-based ethanol production*
- 10:30 Break
- 11:00 Paul Young, US Water, *Solving problems in ethanol production*
- 11:45 Lunch (exhibits closed during this time)
- 1:15 G. S. Murthy, Oregon State University, *Impact of pretreatment and downstream processing technologies on economics, energy and water use in cellulosic ethanol production*
- 2:00 Bruce Dien, National Center for Agricultural Utilization Research, ARS, USDA, *Influence of *Stenocarpella maydis* infected corn on the dry grind ethanol process*
- 2:30 Break, Exhibit and Poster Viewing
- 3:00 Rafael Sala, Danisco, *Beyond HPLC: additional techniques for the analysis of starch derived products and transformation processes*
- 3:45 David Bressler, University of Alberta, *Residual starch measurement in distillers dried grains with solubles (DDGS)*
- 4:30 Wine and cheese reception with exhibit and poster viewing

**Wednesday, June 8**

- 7:30 Continental breakfast in exhibit area
- 8:00 Bill Orts, Western Regional Research Center, ARS, USDA, *Biopolymers, composites and nanocomposites developed as part of biorefineries strategies*
- 8:45 Suzanne Clark, Novozymes North America, Inc., *Intelligent enzyme design based on starch analytics during the dry grind ethanol process*
- 9:30 Break
- 9:45 Kishore Rajagopalan, Illinois Sustainable Technology Center, *Use of reverse osmosis concentrate in ethanol fermentation*
- 10:30 Mike Cecava, ADM, *Logistical and processing considerations related to corn stover as a flexible feedstock for industrial and bioconversion processes*
- 11:15 Adjournment

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**Poster Presentations**

Ron Belyea, University of Missouri, *Effect of ammonia hydroxide treatment on degradability of corn bran*

David Johnston, Eastern Regional Research Center, ARS, USDA, *Cellulosic enzymes as processing aid for biofuels production*

Esha Khullar, University of Illinois at Urbana-Champaign, *Troubleshooting fermentation in corn wet milling ethanol production*

Tao Lin, University of Illinois at Urbana-Champaign, *Process modeling of the quick germ/ quick fiber process: energy, water and economics*

Ganti Murthy, Oregon State University, *Industrial evaluation of a dynamic controller for a simultaneous saccharification and fermentation process*

John Nghiem, Eastern Regional Research Center, ARS, USDA, *Integration of liquid fuels and value added chemicals production in biorefineries*

Koel Reed, University of Alberta, *Comparison of residual starch determination methods in distillers dried grains with solubles*

**SAVE THE DATE:**

The Eighth International  
Starch Technology Conference  
June 2-5, 2013  
Urbana, Illinois  
[www.starchconference.org](http://www.starchconference.org)

**Special thanks to our sponsors and exhibitors:**

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