

# Seventh International Starch Technology Conference



June 5-8, 2011  
Holiday Inn  
1001 Killarney Street, Urbana, IL  
[www.starchconference.org](http://www.starchconference.org)

## Conference

The International Starch Technology Conference was initiated in 1999 to facilitate interaction among representatives from the starch processing industry, government research agencies and allied industries.

## Conference Coordinators

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## Venue

The official hotel for the conference:  
Holiday Inn and Conference Center  
1001 Killarney Street  
Urbana, IL 61801  
217.328.7900

A block of rooms will be available at a special conference rate. Please contact the hotel for reservations.

## Program Outline

### Sunday, June 5, 2011

6:00 p.m. Casual reception and dinner,  
Arboretum, University of Illinois,  
Lincoln Avenue, Urbana

### Monday, June 6, 2011

8:30 a.m. Sessions begin  
4:30 p.m. Ribbon cutting ceremony for  
the CABER Bioprocessing  
Laboratory

### Tuesday, June 7, 2011

8:00 a.m. Sessions begin  
4:30 p.m. Refreshments with poster and  
exhibit review

### Wednesday, June 8, 2011

8:00 a.m. Sessions begin  
Noon Conference adjournment

## University of Illinois

Agricultural & Biological Engineering  
1304 West Pennsylvania Avenue  
Urbana, IL 61801



# SEVENTH INTERNATIONAL STARCH TECHNOLOGY CONFERENCE

## Program Speakers and Poster Presentations (tentative)

### Speakers

- Leif Solheim (keynote), ADM, *Expensive petroleum generates increased opportunities for agricultural commodities*
- Kenneth Bischoff, National Center for Agricultural Utilization Research, ARS, USDA, *Bacterial contamination of commercial starch-based ethanol production*
- David Bressler, University of Alberta, *Residual starch measurement in distillers dried grains with solubles*
- Mike Cecava, ADM, *Logistical and processing considerations related to corn stover as a flexible feedstock for industrial and bioconversion processes*
- Suzanne Clark, Novozymes, *Intelligent enzyme design based on starch analytics during the dry grind ethanol process*
- Bruce Dien, National Center for Agricultural Utilization Research, ARS, USDA, *Influence of *Stenocarpella maydis* infected corn on the dry grind ethanol process*
- Michael Hightower, Sandia National Laboratories, *Improving water use efficiency in biofuels production: energy supply, reliability and environmental considerations*
- 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*
- John Lawton, POET, *Zein recovery from coproducts of a raw starch fermentation bioethanol process*
- Sung Ho Lee, Genencor, *Enzymatic process for DP4 production*
- Frank Lipnizki, Alfa Laval, *Membrane glucose demudding by a decanter-membrane synergy process: challenges and benefits*
- Ganti Murthy, Oregon State University, *Impact of pretreatment and downstream processing technologies on economics, energy and water use in cellulosic ethanol production*
- Bill Orts, Western Regional Research Center, ARS, USDA, *Biopolymers, composites and nanocomposites developed as part of biorefineries strategies*
- Kishore Rajagopalan, Illinois Sustainable Technology Center, *Use of reverse osmosis concentrate in ethanol fermentation*
- Rafael Sala, Danisco, *Beyond HPLC: additional techniques for the analysis of starch derived products and transformation processes*
- David Sessa, National Center for Agricultural Utilization Research, ARS, USDA, *Zein purification: the process, the product, market potential*
- Thava Vasanthan, University of Alberta, *Phenolic acids in cereal grains and their inhibitory effect on starch liquefaction and saccharification*
- Paul Young, US Water, *Solving problems in ethanol production*

### Posters

- 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*

### Theme for 2011: Technology

Processing of starch bearing crops results in an array of products for food, biofuels and bioproducts. As a result, the industry must stay abreast of advances in technology, regulations and research impacting their industry. The 2011 conference theme, Technology, encompasses issues impacting the production of starch based food ingredients, bioproducts and biofuels.

### Previous Themes

1999	Technology	2005	Bioproducts
2001	Equipment	2007	Energy
2003	Coproducts	2009	Water

### Registration

Register online: [www.starchconference.org](http://www.starchconference.org). Contact Mary Schultze (217.333.5423) for questions.

### Registration Fees\*

US\$ 495

### Exhibit and sponsorship opportunities are available.

Contact Vijay Singh for more information.

### Exhibit Fees\*\*

Advanced	US\$ 1,500
Regular (after 4/20/2011)	US\$ 1,750

\*Registration includes Sunday evening reception and dinner, 3 continental breakfasts, 2 lunches and a printed proceedings.

\*\*All exhibitors must pay a registration fee for each individual attending the conference or the exhibit area.