



BIOFUELS | *REGIONAL NEEDS, NATIONAL CHALLENGES*

May 21-22, 2007

Stewart Center, Room 218

Purdue University

West Lafayette, Indiana

Sponsored by:



12:30 p.m. Registration Opens

Stewart Center, Room 218

1:00 p.m. Welcome

Jay Gore, Associate Dean, College of Engineering; Vincent P. Reilly Professor and Interim Director of The Energy Center, Purdue University

PARALLEL SESSIONS

Research forum: updates on bioenergy research

Parallel Session A Room 214 D

1:15 p.m. Bioenergy

Nathan Mosier, Assistant Professor of Agricultural and Biological Engineering, Purdue University

1:45 p.m. Plant Biomass Control

Yuki Mizukami, Assistant Professor of Biology, Purdue University

2:15 p.m. Microbial Fuel Cells

Robert Nerenberg, Assistant Professor of Civil Engineering and Geological Sciences, University of Notre Dame

2:45 p.m. The Structure of Biomass

Maureen McCann, Associate Professor of Biological Sciences, Purdue University

3:15 p.m. Successful Development of Recombinant Yeast for Industrial Cellulosic Ethanol Production

Nancy W. Y. Ho, Laboratory of Renewable Resources Engineering (LORRE), Purdue University

3:45 p.m. Cybernetic Models for Recombinant Yeasts Co-fermenting Glucose and Xylose

Doraiswami Ramkrishna, Distinguished Professor of Chemical Engineering, Purdue University
Hyun-Seob Song, Post Doctoral Research Associate of Chemical Engineering, Purdue University

4:15 p.m. Uncertainty in the Life Cycle Assessment of Ethanol Production

Jeremy Johnson, Co-Founder and Research Scientist, Agrivida

4:45 p.m. Structure, Biosynthesis and Gene Discovery in Cellulose and Plant Wall Synthesis

Nicholas Carpita, Professor of Plant Physiology, Purdue University

Parallel Session B Room 218 D

1:15 p.m. Biological Hydrogen Project

Robert Kramer, Research Professor of Electrical and Computer Engineering, Director, Energy Efficiency and Reliability Center, Purdue University- Calumet

1:45 p.m. Biomass Gasification Reactor Hydrodynamics

Don Takehara, Director-Center for Research and Innovation and Associate Professor of Research, Taylor University

2:15 p.m. Biodiesel Efforts

Bernie Tao, Professor of Agricultural Engineering and Food Science, Purdue University

2:45 p.m. BREAK

3:15 p.m. Wind Energy Economics

Ian Van Lieu, Graduate Student of Agricultural Economics, Purdue University

3:45 p.m. New IUPUI Lugar Renewable Energy Center

Andrew Hsu, Associate Dean for Research and Graduate Programs and Professor of Mechanical Engineering, Indiana University - Purdue University, Indianapolis

4:15 p.m. Assessment of Switchgrass Production for Co-firing in Indiana

James Eflin, Chairperson and Associate Professor of Natural Resources, Ball State University

4:45 p.m. Co-firing Biomass with Coal

Klein Ileleji, Assistant Professor of Agricultural and Biological Engineering, Purdue University

5:15 p.m. Reception with Scientific Posters

SESSIONS A & B TOGETHER
East and West Faculty Lounge – Purdue Memorial Union

7:30 a.m. Registration & Continental Breakfast

Stewart Center, Room 218

8:15 a.m. Welcome

Alan Rebar, Senior Associate Vice President for Research and Executive Director of Discovery Park, Purdue University

Jay Gore, Associate Dean, College of Engineering; Vincent P. Reilly Professor and Interim Director of The Energy Center, Purdue University

8:30 a.m. Biotown Story

Andy Miller, Agriculture Director, Indiana State Department of Agriculture

9:00 a.m. Entrepreneur's View

Charles Smith, President and CEO, Countrymark Co-op

9:30 a.m. Policy and State Infrastructure Needs

Frank Dooley, Professor of Agricultural Economics, Purdue University

10:15 a.m. Break

10:30 a.m. Technical Barriers

Michael Ladisch, Distinguished Professor of Agricultural and Biological Engineering, Director of LORRE, Purdue University

11:00 a.m. Biodiesel Producer Presentation

Norbert Thouvenot, North America Asset Manager, Louis Dreyfus Commodities

11:30 a.m. Question and Answer Session

Moderator: Michael Ladisch, Distinguished Professor of Agricultural and Biological Engineering, Director of LORRE, Purdue University

12:00 p.m. Lunch

Stewart Center, Room 302-306

1:15 p.m. Challenges for Biofuel Oriented Plant Science Research

Clint Chapple, Professor of Biochemistry, Purdue University

1:45 p.m. Panel: Environmental Permitting and Compliance – A Proactive Approach to Avoiding Unnecessary Delay and Expense

Moderator: Christopher C. "Kit" Earle, Partner, Bose McKinney & Evans LLP
Matthew Klein, Bose McKinney & Evans LLP
David Jordan, Air Permitting Consultant
Mark Basch, Indiana Department of Natural Resources, Division of Water

3:00 p.m. Break

3:15 p.m. Clinton County Story

Gina Sheets, Director, Clinton County Economic Development

3:45 p.m. Future Roadmapping

Mark Hermodson, Professor of Biochemistry, Interim Director of the Bindley Bioscience Center, Purdue University

3:59 p.m. Adjourn

FOR ADDITIONAL INFORMATION:

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