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ENERGY INSTITUTE

CIFAR Conference XXIX - Biofuels: A Global Pipeline

When: Monday, April 4, 2011, 13:00 - 19:00
followed by posters and a networking reception until 21:00

Where: UC Davis Conference Center, Ballrooms A-C

Synopsis: A balanced, interactive, science and technology conversation on where we are and where we may be going with biofuels and bioproducts derived from agricultural, forestry and industrial processes, and waste streams, including food processing wastes. The discussion will emphasize sustainable cellulosic biofuels and co-products, as conceived in *integrated biorefineries*, and the grand challenges, realities, and opportunities going forward.

Program:

13:00 Welcome.

Neal Van Alfen, PhD, Dean, College of Agricultural and Environmental Sciences,
UC Davis

13:05 Setting the Stage: The Global Grand Challenges.

Sharon Shoemaker, PhD, Executive Director, CIFAR, UC Davis.

13:20 [Panel 1: Industry Perspectives on Fuel Ethanol](#)

Exploring the Prospects for Ethanol Generation 1.5.

Philip Madson, P.E. President, KATZEN International, Cincinnati, OH

ICM Perspectives on Cellulose to Ethanol Process Development.

Douglas Rivers, PhD, Director of Research and Development, ICM, Inc., Colwich, KS

Challenges and Opportunities in Using Corn Ethanol as the Bridge to Cellulosic Ethanol. Neil Koehler, President and CEO, Pacific Ethanol, Sacramento, CA

14:35 Q & A

14:55 [Panel 2: R,D and D Investment Scenarios](#)

Investing in a Sustainable Future.

Douglas Cameron, PhD, Founder and Managing Director, Alberti Advisors LLC,
Plymouth, MN

DOE's Integrated Biorefinery Program, Status and Challenges.

Melissa Klembara, Technical Manager of Integrated Biorefinery and Deployment, Energy Efficiency and Renewable Energy, Washington D.C.

15:45 Q & A

15:55 *Break and Posters*

16:15 [Panel 3. Some Outcomes, Still Evolving](#)

Enzyme Development for Biofuel Production from Cellulosic Biomass: Application of Advanced Technology to Enable the Biorefinery.

Mark Wogulis, PhD, Senior Scientist of Protein Improvement and Optimization, Novozymes, Inc, Davis, CA

Catalytic Conversion of Pyrolysis Oils to Fuels and Value-added Chemicals. David Block, PhD, Professor, Viticulture and Enology, and Chemical Engineering and Material Science, UC Davis.

Emerging Thermochemical Approaches for the Economical Production of Renewable Fuels and Chemicals.

Dennis Schuetzle, PhD, President, and Renewable Energy Institute International and Chief Technology Officer for Pacific Renewable Fuels and Chemicals, McClellan, CA

Algae Biofuels for California.

John Benemann, PhD, MicroBio Engineering, Inc., Walnut Creek, CA

17:45 Q & A, *with beverage and appetizer choices brought to your table*

18:00 [Panel 4. Synergy through Global Collaborations](#)

The Global Pipeline begins with the Canada-California Strategic Innovation Partnership. Donald Smith, PhD, James McGill Professor of Plant Sciences, Director, Green Crop Strategic Research Network, and Director, McGill Network for Innovation in Biofuels and Bioproducts, McGill University, Montreal, Quebec, Canada.

Strength in Partnerships: A Perspective from China.

Pingfan Rao, PhD, Professor and Founder of the School of Biotechnology, Fuzhou University, Fuzhou, Fujian, China

18:40 Q & A

18:50 **Mapping a Route to Sustainable Efficiencies for the California Food Processing Industry.** Jim Seiber, PhD, Chair and Professor, Food Science and Technology, UC Davis

19:00 **Wrap Up** with Posters and Networking Reception with Heavy Hors D'Oeuvres

21:00 **Adjourn**