

# THE INTERSECTION OF ENERGY AND AGRICULTURE: IMPLICATIONS OF BIOFUELS AND THE SEARCH FOR A FUEL OF THE FUTURE

THE FACULTY CLUB  
UNIVERSITY OF CALIFORNIA, BERKELEY

OCTOBER 4 & 5, 2007



Co-Sponsored by



# PROGRAM

**THURSDAY, OCTOBER 4, 2007**  
**BANCROFT HOTEL - GREAT HALL, 2680 BANCROFT WAY**

**12:00 NOON: LUNCH**

**12:30 PM: WELCOME REMARKS**

*David Zilberman, UC Berkeley – Giannini Foundation*

*Steve Halbrook, Farm Foundation*

*Mary Bohman, ERS, U. S. Department of Agriculture*

**1:00 PM: AGRICULTURE, ENERGY, AND THE ENVIRONMENT**

“How Vulnerable Is Agriculture to Higher Energy Prices?”

*David Roland-Holst, UC Berkeley*

“The Net Energy Content of Ethanol”

*Roger Conway, ERS, U. S. Department of Agriculture*

“Water for Food, Energy, and the Environment”

*David Zilberman, UC Berkeley – Giannini Foundation*

**3:00 PM: BREAK**

**3:30 PM: BIOFUEL AND THE FUTURE OF ENERGY**

“Economics of a New Generation of Bioenergy Crops: Implications for Land Use and Greenhouse Gases”

*Madhu Khanna, University of Illinois*

“How Biofuels Fit into the Global Energy Market”

*Severin Borenstein, UC Berkeley*

“Biofuel and the Expansion of Agriculture”

*Deepak Rajagopal, UC Berkeley*

**5:00 PM: BREAK**

## **UCB FACULTY CLUB - GREAT HALL**

**6:00 PM: RECEPTION**

**7:00 PM: DINNER**

Introduction

*Paul Willems, Energy Biosciences Institute*

“Cellulosic Ethanol: Fuel of the Future?”

*Chris Somerville, Energy Biosciences Institute – UC Berkeley*

## **FRIDAY, OCTOBER 5, 2007** **UCB FACULTY CLUB - HEYNS ROOM**

**8:15 AM: BREAKFAST RECEPTION**

**8:30 AM: THE ECONOMICS OF BIOFUELS**

“Modeling the Interdependence of Energy, Agriculture, and the Environment”

*Ujjayant Chakravorty, University of Central Florida*

“Technologies and Governance for a Sustainable Biofuels Industry”

*Alex Farrell, UC Berkeley*

“The Economics of Future Biofuels Policy Alternatives”

*Wally Tyner, Purdue University*

**10:00 AM: BREAK**

**10:30 AM: BIOFUEL AND POLICY**

“IPR, Innovation and Research Policy”

*Brian Wright, UC Berkeley*

“U.S. Agriculture in an Era of Ag and Energy Interdependence”

*Mary Bohman, ERS, U.S. Department of Agriculture*

“CA vs. US: Two Paths to a Biofuels Future”

*Dan Skopec, Climate and Energy Consulting (Former Deputy Cabinet Secretary for Energy, Agriculture and Environment)*

“Trade Policy and Bioenergy: Who Wins and How Much?”

*Dan Sumner, UC Davis – Ag Issues Center*

**12:30 PM: LUNCH**

“Geopolitical Implications of Biofuel: Mapping the Future”

*Gerald Harris, Global Business Network*

**1:30 PM: THE IMPACT OF BIOFUELS: EMPIRICAL STUDIES**

“U.S. Agriculture’s Role in a Greenhouse Gas Emission Mitigating World: An Economic Perspective”

*Bruce McCarl*, Texas A&M University

“Modeling Future Prospects for Food and Fuel: Biofuels and Global Agricultural Growth”

*Siwa Msangi*, International Food Policy Research Institute

“Biofuel: Its Future and Its Impact on the Environment”

*Bruce Babcock*, Iowa State University

**3:30 PM: BREAK**

**4:00 PM: A GLOBAL PERSPECTIVE ON BIOFUEL**

“Renewable Energy Options for the Emerging Economy: Advances, Opportunities, and Obstacles”

*Dan Kammen*, UC Berkeley

“Factoring Land Use Change into the Greenhouse Gas Effects of Biofuels”

*Tim Searchinger*, The German Marshall Fund of the United States

“Biofuel in Brazil: Past and Present”

*Jose Roberto Moreira*, Brazilian Reference Center on Biomass

**5:30 PM: CONCLUSION**

*David Zilberman*, UC Berkeley – Giannini Foundation