



PKSINHA
CENTER FOR
BioEnergy
IIT KHARAGPUR

presents

International Symposium on Bioenergy

Date: January 5-7, 2010

Venue: Gargi Auditorium, Vikramashila Complex, IIT Kharagpur

Technical Program

Anchor: Archana Chugh

January 6, 2010

9.00-9:45: Keynote address by Chris Somerville, Director, Energy Biosciences Institute (EBI), University of California – Berkeley
Title: *Development of Cellulosic Fuels*

9:45-10.00: Coffee Break

10:00-10:30: Speaker: Norman L. Miller, EBI, UC Berkeley
Title: *Bioenergy Feedstock and Environmental Modeling*

10:30 – 11:00: Speaker: Atul Jain, EBI, University of Illinois at Urbana Champaign
Title: *Land-Use and Land-Cover Change for Biofuel Crops and Associated Changes in Hydrological Cycle and Energy Exchange Processes in Indian Region*

11:00 – 11:30: Speaker: Madhu Khanna, EBI, University of Illinois at Urbana Champaign
Title: *Expanding Biofuel production: Economic and Policy Considerations*

11:30 – 12:00: Speaker: Govindswamy Bala, Indian Institute of Science, Bangalore
Title: *Simulated future terrestrial carbon uptake over India: Uncertainty from CO₂-fertilization*

12:00 – 12:45: Panel Discussion (Panelists: Chris Somerville, Luuk van der Wielen, Atul Jain, Madhu Khanna, G. Bala, Moderator: Norman Miller)

12:45-14.00: Lunch

14.00-14:45: Keynote address by Probir Ghosh, President and CEO, invVEST
Title: *Global Leadership through Breakthrough Sustainable Energy Initiatives: Will India forge a breakthrough like the cell phone revolution?*

14:15 – 15:30: Panel Discussion (Panelists: Asoke Deysarkar, D.K. Tuli, Luuk van der Wielen, Moderator: Probir Ghosh)

15:15 – 15:30: Coffee Break

15:30 – 17:30: “*PK Sinha Center for Bioenergy Showcase*”, Speakers: IIT Kharagpur faculty affiliated to the PK Sinha Center for Bioenergy

15:30 – 16:30: *Bioenergy Landscape at IIT Kharagpur, Energy Cropping, Bioethanol, Biomethanation, Algal Biofuels*

(Anchor Speaker: Rintu Banerjee)

16:30 – 17:30: *Biohydrogen, Biodiesel and Microbial Biofuels*

(Anchor Speaker: Debabrata Das)

19:00 – 20:30: Symposium Dinner

January 7, 2010

9.00-9:45: Keynote address by Luuk van der Wielen, Director, B-BASIC, Delft University of Technology, Netherlands

Title: *Building the Biobasis for the Chemicals, Materials and Energy Industry*

9:45 – 10.00: Coffee Break

10:00-10:30: Speaker: Nathan Mosier, Purdue University

Title: *Biochemically derived Liquid Biofuels from Plant Biomass*

10:30 – 11:00: Speaker: D. K. Tuli, CEO, IndianOil Technologies Limited (IOCL)

Title: *2nd Generation Biofuels: Industry’s Perspective*

11:00 – 11:30: Speaker: Ashok Pandey, Deputy Director, National Institute for Interdisciplinary Science and Technology, Trivandrum

Title: *Technological challenges in the production and application of cellulases for lignocellulosic bioethanol production*

11:30 – 12:00: Speaker: Ravikumar Rao, PRAJ Industries Ltd.

Title: *Lignocellulose to Bioethanol Technology – The Praj Matrix Experience*

12:00 – 13:00: Panel Discussion and Recommendations

(Panelists: Nathan Mosier, Ashok Pandey, Chris Somerville, Luuk van der Wielen; Moderator: Rintu Banerjee)

13.00 – 14.00: Lunch