



AGENDA
**Biomass 2010: Exploring Pathways to a
Sustainable, Domestic Bioindustry**
March 30–31, 2010
Hyatt Regency Crystal City
2799 Jefferson Davis Highway
Arlington, Virginia 22202

Tuesday, March 30, 2010

- 7:30 a.m. – 8:00 a.m.** **Registration**
Room: Independence Foyer
Continental Breakfast
Room: Exhibit Hall (Independence Center)
- 8:00 a.m. – 8:15 a.m.** **Welcome: Overview of the Conference – John Ferrell**, Acting Program Manager, Biomass Program, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy
Room: Regency Ballroom (Regency C/D/E/F combined)
- 8:15 a.m. – 8:45 a.m.** **Opening Address – The Linkage between Innovation and Economic Development in the Green Revolution – Steven Koonin**, Under Secretary for Science, U.S. Department of Energy
Room: Regency Ballroom (Regency C/D/E/F combined)
- 8:45 a.m. – 10:15 a.m.** **Plenary Session – Growing Biomass Innovation**
This session will explore the role of innovation in the biomass community by highlighting efforts to develop advanced bioenergy technology in the biofuels industry, and DOE's commitment to create advanced bioenergy through approaches such as the Energy Hubs and the Advanced Research Projects Agency-Energy.
Room: Regency Ballroom (Regency C/D/E/F combined)
- Moderator:**
Brent Erickson, Executive Vice President, Biotechnology Industry Organization
- Speakers:**
Dr. Eric Toone, Program Director, Advanced Research Projects Agency-Energy, U.S. Department of Energy
Richard Greene, PhD Team Lead, Photo- and Bio-Chemistry Chemical Sciences, Geosciences, and Biosciences Division, Office of Basic Energy Science, U.S. Department of Energy
Bill Sims, President and CEO, Joule Biotechnologies, Inc.
Dr. Neil Renninger, Chief Technology Officer, Amyris Biotechnologies
Dr. Kevin Gray, Chief Technology Officer, Qteros



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10:15 a.m. – 10:30 a.m. Break with Exhibitors
Room: Exhibit Hall (Independence Center)

10:30 a.m. – 12:30 p.m. Breakout Session I

Technical Tracks:

Track 1: Coordinating Basic/Foundational Science and Applied R&D I – Single Investigators to Small Team Research – A focus on Department of Energy activities with the Department of Agriculture Small Business Innovation Research, Energy Frontier Research Centers, and DOE’s Advance Research Projects Agency-Energy.

Room: Regency A

Moderator:

Gail McLean, Program Manager, Photosynthetic Systems, Basic Energy Sciences, Office of Science, U.S. Department of Energy

Speakers:

Dr. Wilfred Chen, Professor, University of California Riverside
Steve Bobzin, Ph.D., Director, Technology Planning, Protection, and Acquisition, Ceres, Inc.
Dr. Maureen McCann, Professor, Perdue University
Liz Moore, Project Officer, Biomass Program, Golden Field Office, U.S. Department of Energy

Track 2: Feedstocks I – Feedstock Logistics: Developing Technology – An overview of the latest in feedstock logistics technology, including feedstock harvest, handling, storage, preprocessing, and transportation, as well as on future efforts to increase efficiency and lower costs.

Room: Regency B

Moderator:

Dr. J. Richard Hess, Biomass Program Technology Manager, Idaho National Laboratory

Speakers:

Bob Matousek, Manager of Plant and Harvesting R&D, Agco Corporation
Dr. Kelly Tiller, President and Chief Executive Officer, Genera Energy, LLC
Dr. Timothy Volk, Research Associate, SUNY-ESF

Track 3: Hydrocarbon Fuels I – Near term Opportunities for Biofuels – An exploration of technologies with the potential to reach commercial scale in the coming years, including biofuels via gasification, butanol, and diesel via fermentation.

Room: Washington A

Moderator:

Jonathan Male, Scientist, Biomass Program, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy



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Speakers:

Kirk Apt, Chief Research Scientist, Martek
Dan Burciaga, President & CEO, TRI
Tyler Ames, Chief Science & Technology Officer, Butamax
Andras Marton, Ph.D., Project Analyst, Independent Project Analysis, Inc.

Track 4: Sustainability and the Environment I – A look at the effect of Federal climate change legislation on the bioenergy sector.

Room: Washington B

Moderator:

Liz Marshall, Resource Economist, Biofuels Production and Policy Project, World Resources Institute

Speakers:

Brent Yacobucci, Specialist in Energy and Environmental Policy, Congressional Research Service
Amy Ehlers, Policy Manager, Industrial and Environmental Section, Biotechnology Industry Organization
Nathanael Greene, Director of Renewable Energy Policy, Natural Resources Defense Council
Dr. Adam Liska, Assistant Professor, Department of Biological Systems Engineering, University of Nebraska

- 12:30 p.m. – 2:00 p.m. Networking Luncheon**
Room: Regency Ballroom (Regency C/D/E/F combined)
- 2:00 p.m. – 2:30 p.m. Break with Exhibitors**
Room: Exhibit Hall (Independence Center)
- 2:30 p.m. – 4:30 p.m. Breakout Session II**

Technical Tracks:

Track I: Coordinating Basic/Foundational Science and Applied R&D II – Large Multidisciplinary Centers and Consortia – An exploration of existing and future multidisciplinary groups, including DOE's Bioenergy Research Centers and Algal Biofuels Consortia.

Room: Regency A

Moderator:

John Houghton, Physical Scientist, Office of Science, U.S. Department of Energy

Speakers:

Mark Davis, BioEnergy Science Center, National Bioenergy Center, National Renewable Energy Laboratory
Blake Simmons, Vice-President, Deconstruction Division, Joint BioEnergy Institute
Dr. Jose Olivares, Executive Director, The National Alliance for Advanced Biofuels and Bioproducts, Los Alamos National Laboratory
Dr. Tim Donohue, Director, Great Lakes Bioenergy Research Center, Professor of Bacteriology, University of Wisconsin-Madison



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Track 2: Feedstocks II – Advanced Energy Crops: Industry Perspectives – An overview on recent advances in cellulosic feedstock production technology to improve yields, environmental impacts, and convertibility of biomass energy feedstocks.

Room: Regency B

Moderator:

John Ferrell, Acting Program Manager, Biomass Program, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy

Speakers:

Dr. Neal Gutterson, President and Chief Executive Officer, Mendel Biotechnology, Inc.
Anna Rath, Vice President of Commercial Development, Ceres, Inc.
Dr. Barbara Wells, President and Chief Executive Officer, ArborGen

Track 3: Hydrocarbon Fuels II – The Next Wave of Opportunities for Biofuels – A look at technologies with the potential for significant impact in the future market, including methanol-to-gasoline, pyrolysis-to-fuels, and biochemical conversion to hydrocarbons.

Room: Washington A

Moderator:

John Scahill, Thermochemical Conversion Project Officer, Golden Field Office, U.S. Department of Energy

Speakers:

Terry Marker, Bioenergy Initiatives Manager, Gas Technology Institute
John Bøgild Hansen, Senior Scientist, Haldor Topsøe A/S
Stephen del Cardayre, Vice President of Research and Development, LS9
Philippe Schild, Programme Officer, Directorate General Research, European Commission

Track 4: Sustainability and the Environment – The Role of Biomass in State and Regional Renewable Energy and Climate Initiatives – A discussion of the environmental implications of increasing the use of biomass-derived energy to meet both production goals and what can be done to mitigate any negative impacts.

Room: Washington B

Moderator:

Suzanne Hunt, President, HuntGreen LLC

Speakers:

Jimmie Powell, Team Lead, Energy Strategies, The Nature Conservancy
Glen Andersen, Energy Policy Analyst, National Conference of State Legislatures
Dr. Jim Pease, Professor, Virginia Polytechnic Institute and State University
John Bonitz, Farm Outreach and Policy Advocate, Southern Alliance for Clean Energy



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4:30 – 6:00 p.m.

Reception
Room: Exhibit Hall (Independence Center)



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Wednesday, March 31, 2010

- 7:30 a.m. – 8:00 a.m.** **Registration**
Room: Independence Foyer
Continental Breakfast
Room: Exhibit Hall (Independence Center)
- 8:00 a.m. – 8:15 a.m.** **Opening Remarks and Overview of Day One – Jacques Beaudry-Losique**, Deputy Assistant Secretary for Renewable Energy, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy
Room: Regency Ballroom (Regency C/D/E/F combined)
- 8:15 a.m. – 8:45 a.m.** **Direction of the U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy – Assistant Secretary Cathy Zoi**, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy
Room: Regency Ballroom (Regency C/D/E/F combined)
- 8:45 a.m. – 10:15 a.m.** **Plenary Session – Creating Power from Biomass**
This session will focus on the future potential of biopower from biomass feedstocks. The opportunities and challenges associated with the development of a sustainable biopower industry and key activities currently taking place to validate its feasibility will be discussed.
Room: Regency Ballroom (Regency C/D/E/F combined)
- Moderator:**
Dallas Tonsager, Under Secretary Rural Development, U.S. Department of Agriculture
- Speakers:**
Dallas Tonsager, Under Secretary Rural Development, U.S. Department of Agriculture
Thomas Johnson, Manager, Renewable Energy Technology, Southern Company
Joseph James, President, Agri-Tech Producers, LLC
David O'Connor, Manager, Combustion/Performance, Electric Power Research Institute, Inc.
- 10:15 a.m. – 10:30 a.m.** **Break with Exhibitors**
Room: Exhibit Hall (Independence Center)



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10:30 a.m. – 12:30 p.m. Breakout Session III

Technical Tracks:

Track 1: Coordinating Basic/Foundational Science and Applied R&D III – Department of Energy User Facilities – An exploration of facilities including DOE's Joint Genome Institute, the Environmental Molecular Sciences Laboratory (PNNL), the Integrated Biorefinery Research Facility (NREL), and the Process Development Unit (LBNL).

Room: Regency A

Moderator:

Joyce Yang, AAAS Science and Technology Policy Fellow, Biomass Program, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy

Speakers:

David Hoyt, Senior Research Scientist, Environmental Molecular Sciences Laboratory, Pacific Northwest National Laboratory

Jim Bristow, Deputy Director, DOE Joint Genome Institute

Jane Fisher, Senior Engineer, National Renewable Energy Laboratory

Track 2: Feedstocks III – Feedstock Interface – An overview of Department of Energy efforts to interface with conversion technologies, integrated biorefineries, and the forest products industry.

Room: Regency B

Moderator:

Laura McCann, Feedstock Production Technology Manager, Biomass Program, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy

Speakers:

Dr. J. Richard Hess, Biomass Program Technology Manager, Idaho National Laboratory

Dr. Theodore Wegner, Assistant Director, Forest Products Laboratory, U.S. Department of Agriculture Forest Service

Dr. Christopher Wright, Research Engineer, Idaho National Laboratory

Track 3: Hydrocarbon Fuels III – Transformational Opportunities for Biofuels – An exploration of potentially transformative technologies including, algal biofuels, and advanced catalyst and pyrolysis technologies.

Room: Washington A

Moderator:

Joanne Morello, AAAS Science and Technology Policy Fellow, Biomass Program, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy



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Speakers:

Aristrides Patrinos, President, Synthetic Genomics

Dr. Thomas Foust, Executive Director of the National Advanced Biofuels Consortium, National Renewable Energy Laboratory

Dion Vlachos, Elizabeth Inez Kelley Professor, University of Delaware / EFRC

Foster Agblevor, Associate Professor, Virginia Polytechnic Institute and State University

Track 4: Sustainability and the Environment – Environmental Implications of Achieving a High-Yield Feedstock Scenario – A look at the potential environmental implications of reaching feedstock yields that are mandated in existing policies and necessary to support a growing bio-economy and the sustainability issues surrounding it.

Room: Washington B

Moderator:

Dr. Alison Goss Eng, Manager, Sustainable Bioenergy Production, Biomass Program, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy

Speakers:

Mike Edgerton, Technology Lead for Corn Ethanol and Quality Traits, Monsanto

Douglas Karlen, Research Leader, Agricultural Research Service, U.S. Department of Agriculture

Dr. Bryce Stokes, Senior Advisor, Navarro Research and Engineering, Inc

Julie Sibbing, Director, Global Warming, Agriculture and Wildlife, National Wildlife Federation

Dr. May Wu, Environmental Scientist, Center for Transportation Research, Argonne National Laboratory

12:30 p.m. – 2:00 p.m.

Luncheon with Exhibitors

Room: Exhibit Hall (Independence Center)

2:00 p.m. – 3:00 p.m.

Plenary Session – Building a Biomass Industry

This session will take a closer look at integrated biorefinery demonstration projects and explore financial and economic aspects of biomass technologies deployment.

Room: Regency Ballroom (Regency C/D/E/F combined)

Moderator:

Carol Babb, Director Renewable Generation Group, R.W. Beck

Speakers:

John Urbanchuk, Technical Director, ENTRIX, Inc.

Gerson Santos-Leon, Executive Vice President, Abengoa Bioenergy New Technologies

Bob Byrne, President, Flambeau River Biofuels, LLC.

Michael Ladisch, Chief Technology Officer, Mascoma Corporation



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3:00 p.m. – 3:15 p.m.

Closing Remarks – John Ferrell, Acting Program Manager, Biomass Program, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy

Room: Regency Ballroom (Regency C/D/E/F combined)

3:15 p.m.

Adjourn