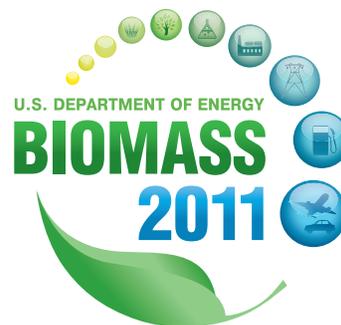


# Detailed Agenda

Tuesday July 26, 2011



7:00 – 8:15 AM

## Breakfast and Registration

Room: CHERRY BLOSSOM BALLROOM LOBBY

8:15 – 8:30 AM

## Welcoming Remarks

Room: CHERRY BLOSSOM BALLROOM

- Paul F. Bryan, *Program Manager, Biomass Program, U.S. Department of Energy*

8:30 – 10:00 AM

## Opening Keynotes: “Federal Perspectives on Bioenergy”

Room: CHERRY BLOSSOM BALLROOM

- Steven Chu, *Secretary of Energy*
- Tom Vilsack, *Secretary of Agriculture*
- Jackalyne Pfannenstiel, *Assistant Secretary of the Navy (Energy, Installations, and Environment)*

10:00 – 10:15 AM

## Break/Networking Opportunity

Room: CHERRY BLOSSOM BALLROOM LOBBY

10:15 – 11:45 AM

## Opening Plenary Session: “Broadening the Bioenergy Horizon”

*A discussion on the bioenergy technologies of the future, and the role of industry, government, and financiers in realizing that vision.*

Room: CHERRY BLOSSOM BALLROOM

### Moderator:

- Michael McAdams, *President, Advanced Biofuels Association*

### Speakers:

- David Berry, *Partner, Flagship Ventures*
- Eric Toone, *Deputy Director, ARPA-E*
- Harrison Dillon, *President and Chief Technology Officer, Solazyme Inc.*
- Mark Iden, *Deputy Director of Operations, Defense Logistics Agency Energy*

11:45 AM – 12:00 PM

## Platinum Sponsor Presentation

Room: CHERRY BLOSSOM BALLROOM

- Adam Monroe, *President, Novozymes North America*



12:00 – 1:30 PM

## Lunch and Break with Exhibitors

Room: EXHIBITION HALL E

1:30 – 1:45 PM

## Guest Speaker

Room: CHERRY BLOSSOM BALLROOM

- Chuck Leavell, *Musician/Author/Environmental Activist, Co-Founder of the Mother Nature Network*

1:45 – 3:15 PM

## General Session Debate: “What is the Best Use of Biomass?”

Room: CHERRY BLOSSOM BALLROOM

### Moderator

■ Jim Lane, *Editor and Publisher, Biofuels Digest*

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### MOTION I: Limited biomass resources should be used to produce fuels and products, rather than to generate electricity.

■ Michael McAdams, *President, Advanced Biofuels Association*

■ Bob Cleaves, *Chief Executive Officer, Biomass Power Association*

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### MOTION II: Federal funding for biofuels should focus primarily on the development of infrastructure compatible, hydrocarbon fuels.

■ Rick Wilson, *Chief Executive Officer, Cobalt Technologies*

■ Wes Bolsen, *Chief Marketing Officer, Coskata*

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### MOTION III: More environmental regulations are needed to prevent unsustainable agricultural practices or deforestation resulting from an expanding bioenergy industry.

■ Brooke Coleman, *Executive Director, Advanced Ethanol Council*

■ Nathanael Greene, *Director of Renewable Energy Policy, National Resources Defense Council*

3:15 – 3:30 PM

## Break/Networking Opportunity

Room: CHERRY BLOSSOM BALLROOM LOBBY

3:30 – 5:30 PM

## Technical Breakout Session 1:

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### TRACK 1: Conversion Pathways for Bioenergy: Cellulosic Bioproducts

*This session will highlight discussions on emerging biomass conversion technologies that target value-added chemicals and how these “bioproducts” help diversify the biorefining value chain and enable market readiness.*

Room: CHERRY BLOSSOM BALLROOM

### Moderator:

■ Joyce Yang, *Technology Manager, Biomass Program, U.S. Department of Energy*

### Speakers:

■ Gary Diamond, *Vice President of Product Development, Rennovia, Inc.*

■ David Anton, *Chief Technology Officer and Senior Vice President of Process Development and Manufacturing, Codexis, Inc.*

■ Oliver Peoples, *Chief Scientific Officer and Vice President of Research, Metabolix, Inc.*

■ Andrew Held, *Director of Feedstock Development, Virent Energy Systems, Inc.*

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### TRACK 2: Competing Uses for a Constrained Feedstock Supply: Risks and Opportunities

*This session will address ways in which the development of seemingly competing uses of feedstock resources can promote partnerships and novel strategies. The impact of existing and potential future policy drivers will also be considered.*

Room: AZALEA 3

### Moderator:

■ John Ferrell, *Feedstock Platform Manager, Biomass Program, U.S. Department of Energy*

### Speakers:

■ William “Butch” Johnson, *Chief Executive Officer, Flambeau River BioFuels, Inc.*

■ Doug Freeman, *Investment and Information Technology Manager, NewPage Corporation*

■ Mike Edgerton, *Ethanol and Quality Traits Technical Lead, Monsanto*

■ Greg Letarte, *Director of Engineering, Louisiana-Pacific Corporation*

■ Mike Cecava, *Director of Feed Technology, Research Division, Archer Daniels Midland Company*



**TRACK 3: Applications of Efficient Use of Biomass for Heat and Power**

*This session will explore the opportunities for biomass in heat and power applications. The speakers span the industrial spectrum of this topic area; presentations will range from technology and applications to the consideration of industry impacts through Renewable Portfolio Standards (RPS).*

Room: AZALEA 1

**Moderator:**

- Elliott Levine, Technology Manager, Biomass Program, U.S. Department of Energy

**Speakers:**

- Dave O'Connor, Biomass Projects Manager, Electric Power Research Institute
- Benjamin Thorp, Chairman, Biorefinery Deployment Consortium
- Phil McKenzie, Business Develop Manager, Babcock & Wilcox Power Generation Group
- John Saintcross, Program Manager, New York State Energy Research and Development Authority



**TRACK 4: Beyond EISA: Policy and Regulatory Mechanisms to Expand the Bioeconomy**

*The Energy Independence and Security Act of 2007 addresses the need to replace fossil fuels with clean and renewable sources and achieve a sustainable bioeconomy. This discussion will focus on regulations and incentives for biomass-derived energy and products.*

Room: AZALEA 2

**Moderator:**

- Suzanne Hunt, President, Hunt Green, LLC

**Speakers:**

- Ron Buckhalt, Program Manager, BioPreferred Program, U.S. Department of Agriculture
- Greg Dierkers, Senior Energy Policy Analyst, National Governors Association
- Harrison Pittman, Research Assistant Professor of Law, Center Director, National Agricultural Law Center, University of Arkansas
- Jeremy Martin, Senior Scientist, Union of Concerned Scientists



**TRACK 5: Strategic Approaches to an International Bioenergy Industry**

*This session will explore the unique benefits and drawbacks of implementing international biomass and bioenergy business strategies, as well as the potential impacts of an expanded bioenergy industry on economic development and environmental sustainability.*

Room: MAGNOLIA 3

**Moderator:**

- Sheila Moynihan, Presidential Management Fellow, Biomass Program, U.S. Department of Energy

**Speakers:**

- Richard Simmons, Energy and Biofuels Officer, U.S. Department of State
- Chris Dragisic, Director, Agriculture, Biofuels, and Forestry, The Center for Environmental Leadership in Business, Conservation International
- Mark Fraser, Chief Technology Officer - North America, EADS North America
- Steve Bobzin, Director of Technology Planning, Ceres
- Craig Evans, Executive Director, American Biomass Trade Cooperative

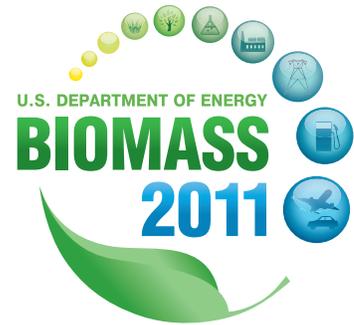
**5:30 – 7:00 PM**

**Networking Reception**

*Sponsored by Solazyme*

Room: EXHIBITION HALL E





## Wednesday July 27, 2011

7:00 – 8:00 AM

### Registration

Room: CHERRY BLOSSOM BALLROOM LOBBY

### Breakfast

Room: EXHIBITION HALL E

8:00 – 8:30 AM

### Congressional Keynote

Room: CHERRY BLOSSOM BALLROOM

- Amy Klobuchar, U.S. Senator (D-MN)

8:30 – 10:00 AM

### Plenary Session: “Industry Perspectives on Bioenergy”

*The future of bioenergy—from the perspective of the existing biofuels industry and companies with an emerging interest in bioenergy.*

Room: CHERRY BLOSSOM BALLROOM

#### Moderator:

- Matt Carr, Managing Director, Biotechnology Industry Organization

#### Speakers:

- Jim Sturdevant, Director of Project Liberty, POET
- Richard Wynne, Director of Environment and Aviation Policy, Boeing Company
- Henry Bryndza, Director of Biochemical Science and Engineering – Biomaterials, Dupont
- Mark Maher, Executive Director for Powertrain and Vehicle Integration, General Motors

10:00 – 10:15 AM

### Break/Networking Opportunity

Room: CHERRY BLOSSOM BALLROOM LOBBY

10:15 AM – 12:15 PM

### Technical Breakout Session 2:

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#### TRACK 1: Conversion Pathways for Bioenergy: Upgrading of Intermediates

*This session will focus on a breadth of biomass-derived processing intermediates and how they can be utilized and upgraded to produce fuels and chemicals.*

Room: AZALEA 1

#### Moderator:

- Paul Grabowski, Technology Manager, Biomass Program, U.S. Department of Energy

#### Speakers:

- Dan Burciaga, President and Chief Executive Officer, ThermoChem Recovery International, Inc.
- Jim Rekoske, Vice President and General Manager, Renewable Energy and Chemicals, Honeywell's UOP, LLC
- Glenn Johnston, Vice President of Regulatory Affairs, Gevo, Inc.
- Laurel Harmon, Vice President of Government Relations, LanzaTech

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## TRACK 2: Moving Algae Biofuels from “Potential” to “Practice”

*This session will focus on approaches being undertaken by industry to enable the affordable, scalable, and sustainable production of algae biofuels. The speakers will provide their industry perspectives on current progress and next steps needed to move algae biofuels from “potential” to “practice.”*

Room: CHERRY BLOSSOM BALLROOM

### Moderator:

- Ron Pate, *Principal Member of Technical Staff, Sandia National Laboratories*

### Speakers:

- David Hazlebeck, *Biofuels Program Manager, General Atomics*
- Joel Butler, *Chief Executive Officer, Solix BioSystems*
- Gregory Schwartz, *Director of Systems Engineering, Kent Bioenergy*
- Brian Goodall, *Vice President for Business Development, SRS Energy*
- Hoyt H. Thomas, *President and Chief Executive Officer, OpenAlgae*

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## TRACK 3: Industry Perspective on Products and Commercial Pathways and the Impact on Supplying the Whole Barrel

*This session will explore industry efforts to create commercial pathways for biofuels and bioproducts, as well as increased capabilities for their production and use, and will discuss the reasons and impacts associated with these efforts.*

Room: MAGNOLIA 2

### Moderator:

- Neil Rossmeissl, *Technology Manager, Biomass Program, U.S. Department of Energy*

### Speakers:

- Todd Werpy, *Vice President of Biofuels and Biochemical Research, Archer Daniels Midland Company*
- Linda Beltz, *Director of Technology Partnerships, Weyerhaeuser*
- Mark Jones, *Technology Strategy Development Fellow, The Dow Chemical Company*
- Robert Schuetzle, *Chief Executive Officer, SynTerra Energy*

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## TRACK 4: Investment Risks of New Technology Innovation: The Views of Venture Capitalists, DOE, and IPA

*This session will feature a discussion with venture capitalists, government agents, and industry representatives regarding their approaches to the risks of new technology development and how those perspectives impact investments in biorefineries.*

Room: AZALEA 2

### Moderator:

- Brian Duff, *Chief Engineer, Biomass Program, U.S. Department of Energy*

### Speakers:

- Andras Marton, *Senior Project Analyst, Independent Project Analysis*
- Doug Cameron, *Founder and Managing Director, Alberti Advisors*
- Todd Pray, *Director of Project Management, Amyris*
- Carol Babb, *Vice President, SAIC Energy, Environment & Infrastructure, LLC*
- Brian Baynes, *Partner, Flagship Ventures*
- Ajit Nazre, *Partner, Kleiner Perkins Caufield & Byers*

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## TRACK 5: Assessing Critical Needs and Roles in Developing the Bioenergy Workforce of the Future

*This session will discuss recently conducted and ongoing studies of bioenergy workforce needs and gaps, and it will ask what role the federal government and other key entities should play in workforce development for the advanced bioenergy arena.*

Room: AZALEA 3

### Moderator:

- Amy Schwab, *Systems Integration Lead, National Renewable Energy Laboratory*

**Speakers:**

- David Swenson, Associate Scientist, Iowa State University
- Daniel Cassidy, National Program Leader, Forest-Based Bioenergy, National Institute of Food and Agriculture, U.S. Department of Agriculture
- Jill Stuckey, Director, Georgia Center of Innovation for Energy
- Sarah Thornton, Director, Biofuels and Biomass Policy, Biotechnology Industry Organization (BIO)
- Troy Runge, Assistant Professor, Biological Systems Engineering, University of Wisconsin
- Kristen Johnson, Presidential Management Fellow, Biomass Program, U.S. Department of Energy

12:15 – 1:45 PM

**Lunch**

Room: EXHIBITION HALL E

1:45 – 3:15 PM

**Technical Breakout Session 3:**

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**TRACK 1: Conversion Pathways for Bioenergy: Thinking Beyond Gasoline and Gasoline Additives**

*This session addresses the need to replace the whole barrel of oil by focusing on biomass conversion technologies that aim to commercialize a suite of fuel and chemical products aside from those that are only meant to displace gasoline consumption.*

Room: AZALEA 1

**Moderator:**

- Leslie Pezzullo, Biochemical Conversion Platform Technology Manager, Biomass Program, U.S. Department of Energy

**Speakers:**

- Steve Hutcheson, Founder, AE Zymetis
- Paul Spindler, Vice President of Technology, Catchlight Energy, LLC
- Harold A. Wright, Senior Vice President and Chief Technology Officer, Rentech, Inc.
- Jostein Gabrielsen, Research Engineer, Haldor Topsøe A/S

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**TRACK 2: Balancing Economics and Ecosystems to Reach a Billion Tons**

*This session will focus on the environmental implications of meeting competing needs for biomass and it will examine the assumptions inherent to the updated Billion-Ton Study. In particular, speakers will address land-use change and crop productivity.*

Room: AZALEA 3

**Moderator:**

- Allison Welde, Director, Conservation Partnerships and Communications, Sustainable Forestry Initiative, Inc.

**Speakers:**

- Richard Nelson, Program Coordinator, Center for Sustainable Energy, Kansas State University
- Laurence Eaton, Environmental and Natural Resource Economist, Oak Ridge National Laboratory
- Timothy Volk, Research Associate, College of Environmental Science and Forestry, State University of New York
- Will McDow, Southeast Regional Manager, Center for Conservation Incentives, Environmental Defense Fund

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**TRACK 3: Consumer Choice: End Uses of Biofuel**

*This session will explore various end-use considerations for expanding our nations use of biofuels, the infrastructure considerations, and the use of biofuels in personal, fleet, and specialty vehicles.*

Room: MAGNOLIA 2

**Moderator:**

- Dennis Smith, *Technology Deployment Manager and National Clean Cities Director, Vehicle Technologies Program, U.S. Department of Energy*

**Speakers:**

- Lee Slezak, *Vehicle Systems Manager, Vehicle Technologies Program, U.S. Department of Energy*
- Forrest Jehlik, *Research Engineer, Argonne National Laboratory*
- Claude Masters, *Manager, Vehicle Acquisition and Fuel, Florida Power & Light*
- Kellie Walsh, *Executive Director, Greater Indiana Clean Cities Coalition*

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**TRACK 4: Strategies to Build the Next Generation Biorefineries: What is the Endgame?**

*Presentations by biorefinery developers and financial organizations will discuss the intricacies of identifying and mitigating the risks and barriers that are associated with creating financeable projects, which will move the biorefinery industry forward.*

Room: CHERRY BLOSSOM BALLROOM

**Moderator:**

- Neil Rossmeissl, *Technology Manager, Biomass Program, U.S. Department of Energy*

**Speakers:**

- Gerson Santos, *Corporate Director, Abengoa*
- John McKenna, *Chairman and Chief Executive Officer, Hamilton Clark & Co.*
- Theodora Retsina, *Chief Executive Officer, American Process, Inc.*
- Dan Tobin, *Program Manager, Loan Guarantee Program, U.S. Department of Energy*

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**TRACK 5: Biofuels in Flight: The Path for Aviation Biofuels**

*This session will provide an update on the progress being made to piece together the unique supply chain for greener and more sustainable biobased aviation fuels.*

Room: AZALEA 2

**Moderator:**

- Joanne Morello, *AAAS Fellow, Biomass Program, U.S. Department of Energy*

**Speakers:**

- Steven Barker, *Director, Technical Fuel Services and Standards, Air Transport Association*
- Rich Altman, *Executive Director, Commercial Aviation Alternative Fuels Initiative*
- Tim Edwards, *Senior Chemical Engineer, Air Force Research Laboratory*
- Patrick Mazza, *Research Director, Climate Solution*

3:15 – 3:30 PM

**Break/Networking Opportunity**

Room: CHERRY BLOSSOM BALLROOM LOBBY

3:30 – 4:45 PM

**Plenary Session: “Moving Toward the Horizon”**

*A discussion of near-term actions needed to create the bioenergy economy of the future.*

Room: CHERRY BLOSSOM BALLROOM

**Moderator:**

- Jim Nussle, *President and Chief Operating Officer, Growth Energy*

**Speakers:**

- Sharlene Weatherwax, *Associate Director of Science in Biological and Environmental Research, Office of Science, U.S. Department of Energy*
- John McKenna, *Chairman and Chief Executive Officer, Hamilton Clark & Co.*
- Barbara Bramble, *Senior Advisor, National Wildlife Federation*

4:45 – 5:00 PM

**Closing Remarks**

Room: CHERRY BLOSSOM BALLROOM

- Paul F. Bryan, *Program Manager, Biomass Program, U.S. Department of Energy*