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Office of Energy Efficiency & Renewable Energy

Bioenergy Technologies Office



Monthly News Blast

June 2014

Assistant Secretary Danielson Confirmed to Speak at Biomass 2014



Keeping pace with the evolving bioenergy industry, the Bioenergy Technologies Office's (BETO's) annual conference, [Biomass 2014: Growing the Future Bioeconomy](#), continues to expand—with more speakers confirming

their attendance each week. We are pleased to announce that Dr. David Danielson, Assistant Secretary of Energy Efficiency and Renewable Energy, has confirmed that he will speak on the first day of the July 29–30, 2014, event. Dr. Danielson, along with top government officials, members of Congress, industry leaders, and experts from across the bioenergy supply chain will interact and provide valuable insight into the evolving bioenergy industry. View the [conference agenda](#) for the most up-to-date information about speakers and sessions, as well as a complete list of topics to be discussed. To learn more about the conference and why you should attend, check out the new [video](#). Join in the discussion on Twitter, Facebook and LinkedIn, with our conference hashtag, [#Biomass2014](#).

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[Register before July 1](#) and save \$75 on general admission!

DOE-Funded Research on Bacterial Enzyme Could Lead to Cheaper Biofuel

Researchers at the U.S. Department of Energy's National Renewable Energy Laboratory found that an enzyme known as CelA, a microorganism found in heated freshwater pools, may hold the key to more efficient, cost-effective biofuel production. CelA can digest cellulose almost twice as fast as the leading enzyme currently on the market and is effective at breaking down xylan—essential steps in converting grasses and other forms of biomass into fuel.

Want to read more BETO successes? Check out our section of the [EERE Successes site!](#)

BETO Director Jonathan Male Spoke at 4th International Conference on Algal Biomass, Biofuels, and Bioproducts

The [4th International Conference on Algal Biomass, Biofuels, and Bioproducts \(IABBB\)](#) kicked off on June 16, with a 50-minute keynote presentation by BETO Director Jonathan Male. Dr. Male discussed BETO's strategy and goals for the commercialization on algal biofuels, including de-risking technologies for market adoption and the production of additional products, such as animal feed, to enable the commercialization of advanced biofuels. The IABBB covered all areas of emerging technologies in algal biology, including biomass production, cultivation, harvesting, extraction, biorefinery, conversion, bioproducts, and econometrics. The conference ran from June 15–18, 2014. Next year's conference will be held in San Diego.

PRINCE Workshop Urges Participants to 'Look to the Future' of Conversion Technologies

BETO recently held the [Process Integration Carbon Efficiency \(PRINCE\) Workshop](#), June 11–12, 2014, in Lakewood, Colorado. Participants representing several key bioenergy industry stakeholder groups, including industry, national laboratories, academia, and other federal agencies, gathered to discuss barriers to the biological and chemical conversion of renewable, biomass-sourced intermediates to drop-in hydrocarbon fuels. The workshop included presentations from BETO's Director Jonathan Male, Conversion Program Manager Kevin Craig, and Demonstration & Deployment Program Manager Jim Spaeth.

EERE Blog: Imagine Tomorrow—Biomass 2014 Student Team Announced!

Imagine Tomorrow kicked off BETO's Operation [#BioenergizeMe](#). The student competition encourages the nation's future leaders to generate creative, well-researched ideas that solve complex energy challenges. As part of the competition, BETO selected a student team from STEM High School of Redmond, Washington, to present their idea at the Biomass 2014 conference, which is taking place July 29–30, 2014, in Washington, D.C. Meet the winning team on the [EERE Blog](#), and follow all of BETO's student initiatives through [#BioenergizeMe](#).

BETO Blog: Jump-Start Your Bioenergy Career

Are you or someone you know a recent college grad looking to jump-start a new career? Whether you majored in Engineering or English, Science or Political Science, Business or Biology, the bioenergy industry could be the place for you! Read how to on the [BETO Blog](#).

Past and Upcoming Events with Bioenergy Office Representation

- [Global Bioenergy Partnership Working Group on Capacity Building](#); May 5–9, 2014; Maputo, Mozambique
- [BIO World Congress on Industrial Biotechnology](#); May 12–15, 2014; Philadelphia, Pennsylvania
- [Pyro 2014, 20th International Symposium on Analytical and Applied Pyrolysis](#); May 19–23, 2014; Birmingham, United Kingdom
- [Biomass Research and Development Technical Advisory Committee](#); June 5–6, 2014; Washington, D.C.
- [Process Integration and Carbon Efficiency Workshop](#); June 11–12, 2014; Lakewood, Colorado
- [4th International Conference on Algal Biomass, Biofuels and Bioproducts](#); June 15–18, 2014; Santa Fe, California
- [22nd European Biomass Conference and Exhibition](#); June 23–26, 2014; Hamburg, Germany
- [11th Renewable Energy Finance Forum Wall Street](#); June 25–26, 2014; New York, New York
- [2014 American Society of Agricultural and Biological Engineers Conference](#); July 13–16, 2014; Montreal, Canada
- [Biomass 2014: Growing the Future Bioeconomy](#); July 29–30, 2014; Washington, D.C.
- [TCS 2014: Symposium on Thermal and Catalytic Sciences for Biofuels and Biobased Products](#); September 2–5, 2014; Denver, Colorado

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