



April 2010 Volume 2 No. 3

***Occasional updates about Advanced Biofuels USA***

***Promoting understanding, use and development of truly sustainable, renewable fuels***

**Learn about:** • Research • Production • Sustainable Feedstocks • Agricultural Programs • Educational Projects • Career Opportunities • Bio JetFuels • BioCrude • Green Gasoline • University Programs • Legislation • Climate Change Benefits • Agency Actions • Events, Conferences and Meetings • Resources for Educators and Students • Green Racing • State Programs • Grants and Funding • Public Hearings • and Much More at [www.AdvancedBiofuelsUSA.org](http://www.AdvancedBiofuelsUSA.org)



## **Washington Post Capitol Hill Supplement about Advanced Biofuels**

“Advanced Biofuels: Your Guide to Sustainable Energy Sources” was published on March 31, 2010, by MediaPlanet as a supplement to the Capitol Hill editions of the Washington Post and will be distributed at coming advanced biofuels conferences and events.

As part of Advanced Biofuels USA’s educational mission, Joanne Ivancic consulted on the development of the tabloid and, with Bob Kozak, did most of the writing. “We aimed to provide as much basic information about advanced biofuels as we could in the available space,” they agreed. Articles include: **Grow, Baby, Grow! Home-Grown**

**Fossil Fuel Replacements; Making Advanced Biofuels: Biomass to Building Blocks; Building Blocks to Fuels; Fulfilling the Promise of Advanced Biofuels: What Will It Take?; Algae and Company: The Underwater Habitat; and The Advancement of Bio-Jetfuels: A Collaboration Between Commercial Airlines and the U.S. Military.**



Advertisers in the supplement include the Advanced Biofuels Association (with a welcoming article by its

president, Michael McAdams), BIO, Virent, Easy Energy Systems, Emerson Process Management, Algenol Biofuels, and Rentech. Jim Lane of Biofuels Digest also provided a comment. [Check out the](#)

[PDF](#). Contact [Jlvancic@advancedbiofuelsusa.org](mailto:Jlvancic@advancedbiofuelsusa.org) if you would like copies to distribute.



## Happenings On Capitol Hill, the White House and In Federal Agencies

At its **Annual Meeting**, the Advanced Biofuels USA's members voted to support the concept of establishing a **sustainable funding source** for advanced biofuels research and development as part of maintaining the nation's transportation infrastructure through the

highway trust fund; with funding coming from an increase in transportation fuels user fees.

**Bob Kozak** and **Joanne Ivancic** visited the offices of members of House of Representatives committees who might be interested in a new idea. When the highway users' fees (gas tax) are reviewed later this year, part of any vitally needed increases be dedicated to a key element of our transportation infrastructure: development and deployment of advanced biofuels. See Advanced Biofuels USA's policy paper, [Put Transportation Biofuel Commercial Deployment Where It Belongs: USDOT](#).

Advanced Biofuels USA sent representatives to the **DC Auto Show's Policy Day** and its kick-off **Green Car Summit** on Capitol Hill which have become THE events for automotive-related transportation and energy policy discussions. Thanks to **Novozymes** for representing the entire advanced biofuels industry at the Show, and for handing out information about Advanced Biofuels USA at their booth. See our posts on the event ([Washington Auto Show Emphasizes Electric Cars. Where's DOE, Tesla, Fisker? Novozymes Represents for Advanced Biofuels Industry](#)) and on the new Ricardo engine revealed with the help of Growth Energy (and other engine developments), [New Engine Technologies Could Give New Life \(and Larger Markets\) to Ethanol](#).





Joanne Ivancic, Ritambhara Singh and Bob Kozak represented the organization at the **U.S. Department of Energy's Biomass 2010** conference in Arlington, Virginia March 30-31. Thanks to Rudy Ivancic for donated lodging and meals! We advertized Advanced Biofuels USA as we sported our new polo shirts with front and back logos and slogans and handed out new informational materials designed by volunteer, **Joy Young**.

One of the benefits of attending these conferences is not only networking with leaders in the field and learning from speakers representing government and industry, but also being able to ask questions and make observations, to communicate with a highly informed public—requests for information, clarification; as well as praise and criticism. We had the opportunity to acknowledge the prominent focus given to the fact that current life cycle analysis of biofuels is compared not to greenhouse gas emissions from tomorrow's gallons of gasoline; but to the milder realities of 2005 fossil fuels.

Bob Kozak had a number of people come to him after the session to affirm his challenge to Dr. Steven Koonin, US DOE Under Secretary for Science's characterization of the Obama administration's sense of urgency for the need for advanced biofuels. Many attendees agreed that a sense of urgency was shown in finding trillions of dollars nearly overnight to address the Wall Street crisis. Nothing close to such a sense of urgency is directed at energy security or development of advanced biofuels.



See more articles on [Federal Agency](#) activities and [Federal Legislation](#).

---

## Green Racing Achievements!



Joanne Ivancic and Advanced Biofuels USA board member, Bob Kozak, again focused on **Leilani Munter** bringing "green" sponsorship to this NASCAR development race series and to investigate how NASCAR's rumored move to modern technology and biofuel blends might be received by fans and crews. We received many thoughtful, considered comments reported in posts, [Leilani Munter Drives First All-Eco-Sponsored Car in Danica Patrick-Frenzied Daytona ARCA Effort](#), [Perspectives on Green Racing from Dayton International Speedway's Garage and Pits](#).

Also, enjoy, with us the news that NASCAR will be using fuel injection, and bioethanol-blended fuels in the near future. [Fuel Injection “On Target” for 2011 Debut, NASCAR Says.](#)

We'll also start following **Todd Bodine** and his [Get Green Racing](#) Camp World Truck and Nationwide series efforts.

There's activity going on at IndyCar, as well. Bob Kozak of Advanced Biofuels USA did an analysis of the proposed DeltaWing: [The DeltaWing Indy Race Car Is Not Only the Future: It's Important!](#) *“Not only do they look like 5<sup>th</sup> generation fighter aircraft and hit speeds of over 230 mph, but they do it with small turbocharged 4-cylinder engines, similar to the ones in the Ford Focus. They get great mileage from 2<sup>nd</sup> generation biofuels and their fuselages (isn't that the term for airplanes?) are built from bioplastics that are also recyclable.”* It's gotten attention from IndyCar opinion leaders, and the folks at DeltaWing.



---

## Projects Underway



**Outreach:** **Pete Davey** of Olympia, Washington, represented Advanced Biofuels USA at the **Next Generation Bio-Based Chemicals Summit** in San Diego, CA. Read his [Review](#).

Other volunteers will be staffing events in the coming months from **Congressman Roscoe Bartlett's Go Green Expo in Frederick, MD** this June, to **Waste Not! Frederick** on May 1 and **Earth Day** events in the area.

**Biomass-to-Transportation Advanced Biofuels Educational Opportunities:** **Dr. Ritambhara Singh** of State College, PA, represented Advanced Biofuels USA at the **RETECH** conference in Washington, DC, and also wrote what will be the cover story in the next edition of **India's “Recycle Now”** magazine. This article reviews a variety of technologies for converting waste into biofuels and provides examples of ten companies engaged in this type of advanced biofuels production.

There is so much to do to achieve our mission to promote the understanding, development, use and acceptance of renewable, sustainable advanced biofuels. We believe it is crucial to our world successfully counteracting the negative effects of climate change, to assuring our national security; to getting the most out of our agricultural resources; and to provide for a safe and healthy future for the planet. Currently, we are all volunteers. Please join us in whatever way YOU can. See the [Job Openings](#) pages on our web site or just give us a call. We can put together a way for your talents to help us achieve our goals. Advanced Biofuels USA needs your support in this grand effort. Email [jivancic@advancedbiofuels.org](mailto:jivancic@advancedbiofuels.org) to find out how you can be a sponsor of specific projects or – oh, so very important – how you can assure the continued day-to-day existence of this endeavor.

---

## Advanced Biofuels Upcoming Conferences and Events



American Business Conferences Presents  
Global Advance Biofuels Scale Up Summit 2010  
June 22-23, 2010, Washington DC

**EARLY BIRD registration discount: Registrations received before April 30th 2010 will receive a discount of \$200** The mission of the Global Advanced Biofuels Scale Up Summit 2010 is to help create a global consensus on how to establish the regulatory and financial framework for commercializing advanced biofuels and how to scale up the technologies to meet the market once it has been created.

The creation of such a market is a global challenge that will require a global solution: **this summit will offer solutions from governments, investors and advanced biofuels producers and end users from both sides of the Atlantic.**

Multiple U.S. and EU government departments will be joined by:

Venture capitalists

Major oil and chemicals companies

The leading global advanced biofuels producers

Future end users in the automotive industry

These stakeholders will be meeting **to determine how they can work together to create the financial, regulatory and technical foundations for scaling up the production of advanced biofuels.**

**Registrations received before April 30th 2010 will receive a discount of \$200** [READ MORE](#)

For further information please [click here](#), call 1 800 721 3915 or email [info@american-business-conferences.com](mailto:info@american-business-conferences.com).



### 14th Annual Green Chemistry & Engineering Conference: Innovation & Application June 21-23 Washington, DC

With the theme of "Innovation and Application", this year's conference will focus on more than twenty areas of green chemistry and green engineering including:

Biofuels  
Environmental health sciences  
Biomimicry

International activities

Education

Pharmaceuticals

Energy

Sustainable design concepts

Entrepreneurship

Supply chain management

On Monday evening, June 21, the US EPA will announce and present the winners of the 2010 Presidential Green Chemistry Challenge Awards. Last year's conference attracted more than 400 attendees from 17 countries around the globe. Past attendees have commented: *"..the conference greatly enhanced my appreciation of the relevance, values, and benefits of green chemistry.. "*

Highlights will include:

Keynote addresses by environmentalist, author and entrepreneur Paul Hawken, and US Congressman, John Tierney (D-MA) , author of the "Green Jobs" bill;

A full day of programming for undergraduate, graduate and postdoctoral green chemistry and engineering students; and

A vendor exposition.

At the Capital Hilton Hotel located in downtown Washington, DC

This annual conference is organized by the American Chemical Society's Green Chemistry Institute®, a world leader in advocating the implementation of green chemistry and engineering into all aspects of the global chemical enterprise. The American Chemical Society (ACS), with more than 161,000 members worldwide, is the world's largest scientific society and one of the world's leading sources of authoritative scientific information. [READ MORE](#)



## Plan Now for Additional Upcoming Conferences and Events

### April

[2010 Energy Conference: Short-Term Stresses,](#)

[Long-Term Change April 6-7 Washington, DC](#)

[China Green Fuels & Vehicles 2010 April 8-9](#)

[Shanghai, China](#)

[Southwestern Biofuels Policy Summit April 13-14 Albuquerque, NM](#)

[9th Annual Southern BioProducts and Renewable Energy Conference April 13-14 Tunica, MS](#)

[Alternative Fuels Educational Workshop April 14 Chantilly, VA](#)

[3rd Annual Indiana Biomass Supply Chain Conference April 15-16 Indianapolis, IN](#)

[2010 Waste-to-Fuels Conference & Trade Show April 18-20 Jacksonville, FL](#)

[2nd Algae World Europe April 22-23 Brussels, Belgium](#)

[Advanced Biofuels Leadership Conference April 26-28 Washington, DC](#)

[Algae Production Certification Program April 27-28 Houston, TX](#)

[Biofuels in Asia April 28-29 Bangkok, Thailand](#)

[National Algae Association Conference April 29-30 Houston, TX](#)

## May

[18th European Biomass Conference and Exhibition May 3-7 Lyon, France](#)

[International Biomass Conference and Expo May 4-6 Minneapolis, MN](#)

[Biomass to Liquids May 5-6 London, UK](#)

[Bioenergy International Expo and Conference May 5-6 Prague, Czech Republic](#)

[Alternative Fuels & Vehicles National Conference + Expo 2010 May 9-12 Las Vegas, NV](#)

[Bioenergy Markets Africa Maputo, Mozambique May 11-13](#)

[Algae World Summit May 17-19 San Diego, CA](#)

[Northeast Sun Grant Conference May 24-26 Syracuse, NY](#)

## June

[OPIS's RFS2 & RINs Forum June 3-4 Houston, TX](#)

[Driving the Next 20 Years: Creating the New Automotive Industry in the South June 7-8 Lexington, KY](#)

[Advanced Biofuels Workshop June 14 St. Louis, MO](#)

[International Fuel Ethanol Workshop & Expo June 14-17 St. Louis, MO](#)

[European Biodiesel 2010 June 16-17 Barcelona, Spain](#)

[14th Annual Green Chemistry and Engineering Conference June 21-23 Washington, DC](#)

[Global Advanced Biofuels Scale-Up Summit June 22-23 Washington, DC](#)

[Alternative Fuels Educational Workshop June 24 Hoover, AL](#)

[World Congress on Industrial Biotechnology and Bioprocessing June 27-30 Washington, DC](#)

[Alternative Energy for Defense June 28-30 Washington, DC](#)

## July

[Biomass '10 Renewable Power, Fuels and Chemicals Workshop July 20-21 Grand Forks, ND](#)

[Biofuels from Biomass: Technology and Policy Considerations July 26-30 Cambridge, MA](#)

## August

[2010 Florida Farm to Fuel® Summit August 11-13 Orlando, FL](#)

[International Symposium on Renewable Feedstock for Biofuel and Bio-based Products August 11-13](#)

[Austin, TX](#)

[BioPro Expo August 24-26 Atlanta, GA](#)

[17th International Petroleum & Biofuels Environmental Conference August 31- September 2 San Antonio, TX](#)

## September

[FAME 2010 GreenWorld Conference September 13-14 Berlin, Germany](#)

[Symposium on Thermal and Catalytic Sciences for Biofuels and Biobased Products Sept. 21–23 Ames, IA](#)

[4th Annual Algae Biomass Summit September 28-30 Phoenix, AZ](#)

*See Discount Offers for Advanced Biofuels USA NEWS Recipients above.*

Get more information on our home page: [www.AdvancedBiofuelsUSA.org](http://www.AdvancedBiofuelsUSA.org) or visit the web site and click on categories "events upcoming" or "events upcoming additional."



## Make Your EARTH DAY Special by Donating to Advanced Biofuels USA for Year-Round Earth Day Action

At Advanced Biofuels USA, we think we do quite a bit with quite a little. You get an enormous bang for your sponsorship buck when you support this organization. All we list below--PLUS, we'll thank you on every page of our web site with a link to yours.

As far as we can tell, Advanced Biofuels USA is the only "one-stop-shopping" location for beginner-to-expert information about the science, technology and policy of advanced biofuels---- in the world. In addition to our widely-read web site (over 20,000 page views each week from around the world), we work on education of everyone from the merely curious to experts in the business; from reporters to policy-makers; from young students to professors.

And, we believe that everyone benefits.  
How?

- If you talk to a Congressional staffer (not to mention the Senator or Representative or other elected official), you'd hope that person knows something about your issues so that they can understand the particular point you are making during your 15 minute appointment. They can prep for your visit by visiting our web site.
- Also, if you are in the advanced biofuels business, your local media reporters have a resource to get background to better cover your activities in their reading/listening/viewing area.
- If you are a teacher trying to teach the beneficial uses of plants, we have plenty of resources to help.
- If you are a student writing a paper or looking for a "green" career path, our website is a valuable resource for you, too.
- Do you have funds to invest in "green" technologies? Spend a few hours with the links to original resources about the latest science, engineering and financing developments.

Contact Joanne Ivancic at 301-644-1395 for more information, or just click on the "DONATE" button and PayPal takes care of the rest for you to make a secure financial contribution to the work of Advanced Biofuels USA. Averaging 3000 unique visitors each week, this site is living up to its goal of providing quality information and education about advanced biofuels to a worldwide audience.

Please take a moment to visit the site ([www.AdvancedBiofuelsUSA.org](http://www.AdvancedBiofuelsUSA.org)) and make a contribution of



whatever you can, \$10, \$100, \$1000, \$10,000 or more to keep this site online and up-to-date. We cannot do this without YOU!

You have received this newsletter because you have indicated to us an interest in Advanced Biofuels USA. We hope you find it useful. If you want to stop receiving these occasional newsletters, please let us know. Just send an email to [info@AdvancedBiofuelsUSA.org](mailto:info@AdvancedBiofuelsUSA.org) with "terminate subscription" in the subject line. We welcome comments and suggestions. Advanced Biofuels USA's work, including this free newsletter, is made possible by financial support from people like you. Please consider making a donation (EIN: 80-161655) today.