Conference Calendar; EPA Announcement, Farm Bill Letter, Seaweed in The Netherlands, Algae in Florida, Renewables in Texas, Intern Spotlight.

Advanced Biofuels USA, a nonprofit educational organization, advocates for the adoption of advanced biofuels as an energy security, economic development, military flexibility and climate change solution.

Coming Advanced Biofuels Events

Click on event for more information.
Scroll below news articles for details and special deals for Advanced Biofuels USA readers.

- 2013
- November
  - Corporate Cleantech Venture Day November 20, 2013 Lahti, Finland
  - Roundtable for Sustainable Biomaterials Training Course November 27-29, 2013 Hong Kong
- December
  - F.O. Licht’s Ethanol Latin America December 2-4, 2013 Cali, Colombia
  - Canadian Renewable Fuels Summit 2013 December 2-4, 2013 Montreal, Quebec, Canada
  - 7th International Algae Congress December 3-4, 2013 Hamburg, Germany
  - WEBINAR State Biodiesel Policy Roundup and Update: Mandates, Production and Blending Incentives, Bioheat Legislation December 5, 2013 2:00PM CDT
  - Industrial Green Chemistry World December 6-8, 2013 Mumbai, India
  - Pacific Rim Summit on Industrial Biotechnology & Bioenergy December 8-
11, 2013 San Diego, CA
- Understanding Bio-based Chemicals & Products December 9-10, 2013 New York, NY
- Renewable Natural Gas 2013 Conference December 9-11 Coronado, CA
- Strengthening National Laboratory Commercialization December 10, 2013 Washington, DC
- Lignofuels Americas 2013 December 11-12 Philadelphia, PA
- OPIS LCFS Workshop December 12-13, 2013 San Francisco, CA
- Alternative Fuels and New Energy December 17, 2013 Toulouse, France

2014
- January
  - Keystone Farm Show January 7-9, 2014 York, PA
  - Military Mobile Power Summit January 13-14, 2014 Washington, DC
  - 11th International Conference on Biofuels: Fuels of the Future 2014 January 20-21 Berlin, Germany
  - 2014 National Biodiesel Conference & Expo January 20-23 San Diego, CA

- February
  - Energy, Utility and Environment Conference February 3-5, 2014 Phoenix, AZ
  - 5th Annual Next Generation Bio-Based Chemicals Summit February 6-7, 2013 San Diego, CA
  - 3rd Starch World 2014 February 17-18 Jakarta, Indonesia
  - National Ethanol Conference February 17-19, 2014 Orlando, FL
  - ACI’s Carbon Dioxide Utilization Congress February 19-20, 2014 San Diego, CA 20% off valid till 18th November 2013, then 15% off till the date of the event (See below)
  - ARPA-E Energy Innovation Summit February 24-26, 2014 National Harbor, MD
  - F.O. Licht’s Sugar and Ethanol Asia February 25-26, 2014 Bangkok, Thailand
  - 6th Sugar Asia February 27-28, 2014 Mumbai, India

- March
  - World Bio Markets 2014 March 4-6 The Netherlands
  - Green Polymer Chemistry 2014 March 18-20 Cologne, Germany.
  - International Network Palm Oil Expo March 19-20, 2014 Medan, North Sumatra, Indonesia
  - International Biomass Conference and Expo March 24-26, 2014 Orlando, FL
• April
  - Advanced Biofuels Leadership Conference April 21-23, 2014 National Harbor, MD
  - Bioenergy and Biomass Utilization Summit April 23-25, 2014 Shanghai, China
  - 36th Symposium on Biotechnology for Fuels and Chemicals April 28-May 1, 2014 Clearwater Beach, FL

• May
  - European Algae Biomass Conference May 5-7, 2014 Seville, Spain
  - Alternative Clean Transportation (ACT) Expo May 5-9, 2014 Long Beach, CA
  - BIO’s World Congress on Industrial Biotechnology May 12-15, 2014 Philadelphia, PA
  - ILA Berlin Airshow 2014 May 20-25 Berlin, Germany

• June
  - 10th International Conference on Renewable Resources & Biorefineries June 4-6, 2014 Valladolid, Spain
  - 4th International Conference on Algal Biomass, Biofuels and Bioproducts June 15-18, 2014 Santa Fe, New Mexico
  - Cleantech 2014 June 15-19 Washington, DC/National Harbor, MD
  - 18th Annual Green Chemistry & Engineering Conference June 17-19, 2014 North Bethesda, Maryland
  - European Biomass Conference and Exhibition June 23-26, 2014 Hamburg, Germany

• September
  - RETECH 2014 September 3-5 National Harbor, MD
  - 7th Biofuels International Conference September 24-25, 2014 Ghent, Belgium

• October
  - Export Exchange 2014™ October 20-22, 2014 Seattle, WA

• 2015
  - January
    - 2015 Ag Connect Expo and Summit January 27-29, 2015 Indianapolis, IN

Get more information on our home page: www.AdvancedBiofuelsUSA.org and in our Coming Events and More Coming Events lists.
See also CALL FOR PAPERS, a list of invitations to submit abstracts for presentations and posters.

Telling YOUR Story: Requests for Speakers/Papers/Posters/Presentations

Deadline November 2013

  DEADLINE: November 21, 2013 for Speakers; April 1, 2014 for Posters
- CALL FOR PAPERS: International Biomass Conference and Expo March 24-26, 2014 Orlando, FL
  DEADLINE November 29, 2013
- CALL FOR SPEAKERS: Alternative Clean Transportation (ACT) Expo May 5-9, 2014 Long Beach, CA
  DEADLINE: November 29, 2013

Deadline December 2013

- CALL FOR ABSTRACTS/INNOVATIONS: Cleantech 2014 June 15-19 Washington, DC/National Harbor, MD
  DEADLINES: December 31, 2013 for abstracts; January 31, 2014 for innovations

Deadline January 2014

- CALL FOR ABSTRACTS: 10th International Conference on Renewable Resources & Biorefineries June 4-6, 2014 Valladolid, Spain
  DEADLINE: January 15, 2014
- CALL FOR ABSTRACTS/INNOVATIONS: Cleantech 2014 June 15-19 Washington, DC/National Harbor, MD
  DEADLINES: December 13, 2013 for abstracts; January 31, 2014 for innovations
- CALL FOR ABSTRACTS: 5th Congress of the International Society for
**Applied Phycology – ISAP 2014 June 22-27, 2014 Sydney, Australia**
DEADLINE: January 31, 2014

**Deadline February 2014**

- **CALL FOR ABSTRACTS: 4th International Conference on Algal Biomass, Biofuels and Bioproducts June 15-18, 2014 Santa Fe, New Mexico**
  DEADLINE: February 14, 2014
- **CALL FOR PAPERS: Bioenergy and Biomass Utilization Summit April 23-25, 2014 Shanghai, China**
  DEADLINE: February 28, 2014

**Deadline April 2014**

- **CALL FOR SPEAKERS, POSTERS: BIO’s World Congress on Industrial Biotechnology May 12-15, 2014 Philadelphia, PA**
  DEADLINE: November 21, 2013 for Speakers; April 1, 2014 for Posters

**Deadline Unclear**

- **CALL FOR SPEAKERS: industrial Green Chemistry World December 4-6, 2013 Mumbai, India**

**READ MORE**

---

**Happenings on Capitol Hill, at the White House and in Federal Agencies**
RFS2 Disappointing 2014 Volume Announcement from EPA

As anticipated, the Environmental Protection Agency announced a lower level of renewable fuel to be blended into the national transportation fuel supply in 2014, lower than the agency had required for 2013. In the process, EPA officially asserted its belief in a "blend wall" as the justification for the proposed levels.

This proposal ignores the potential for growth in the higher ethanol blend markets, not only immediately as the price of E85 has become competitive with that of E10 even in light of the mileage penalty experienced due to engines being optimized for gasoline, but as blender pumps around the country offer drivers the opportunity to tailor ethanol blends to optimize use in their flex fuel vehicles.

It also ignores the growing biodiesel market for advanced biofuels, as well as that for Brazilian ethanol.

A press release describing the volume requirements also explains that the EPA requests input to address how that "E10 blend wall" might be surmounted.

To many, it signals this administration's desire to side with fossil fuel industry interests against those of renewable transportation fuel advocates.

If the Renewable Fuel Standard worked as intended, fuel blenders and refiners would have put resources into making sure the infrastructure (including high octane/high ethanol blend engines as well as blender pumps) would have been built to avoid running into an "ethanol blend wall;" and they would have invested
into research and development of advanced biofuels.

The RINs enforcement mechanism was intended to motivate such investment with a "pay me now or pay me later" incentive. Certainly, the teeth were taken out of that mechanism by incorporating the waiver mechanism—if the fuel is not commercially available, EPA cannot require its use. However, with the latest proposal, EPA is taking this another step—even when renewable fuel is commercially available in the wholesale market, EPA seems to say that petroleum fuel distributors don't have to make it available on the retail market if they don't want to. READ MORE

Once the proposal is published in the Federal Register, it will be open to a 60 day public comment period, including comments on how to surmount the "E10 blend wall." EPA expects to receive additional data during the public comment period and can adjust the proposed volumes as appropriate based on the latest information. Advanced Biofuels USA plans to submit comments and urges you to join us. Here are instructions.

*****

Keep up with the latest developments on federal legislation related to advanced biofuels via our web site. READ MORE
Advanced Biofuels USA has joined more than 130 other national, regional and state stakeholder groups devoted to farm, ranch and forest-based energy solutions in a letter to congressional agricultural leaders urging them to quickly adopted a five-year farm bill that re-authorizes and provides $900 million in mandatory funding for the proposed legislation’s energy title.

"Programs like the Rural Energy for America Program (REAP), Biomass Crop Assistance Program (BCAP), Biorefinery Assistance Program (BAP) and Biobased Markets Program (Biopreferred) strongly support American agriculture and ensure broad public benefits to the entire country. Every single state has benefited from these low-cost, high return programs. Since some programs are just getting started, the next five years will be crucial for achieving success.

Many tens of thousands of direct and indirect jobs are being created or saved in rural areas by our nation’s expanding clean energy economy. This growth is occurring due in large part to Farm Bill energy programs, which have used a modest amount of federal money to leverage billions of dollars in private investment. These new agriculture, manufacturing, and high technology jobs are at risk without continued Federal investment."

Advanced Biofuels USA also emphasizes that over the next five years, as advanced biofuels production expands, we anticipate the repurposing of stranded assets in urban industrial areas. Just as Dynamic Fuels...
recycled a used Uniroyal plant into a renewable diesel refinery that can also make renewable jet fuel and other bioproducts, so should others. We have heard that Delta Airlines might make renewable jetfuel at the refinery it bought in Philadelphia. Thus, representatives of urban and industrial areas should see the merit in supporting the Farm Bill, in particular the energy title. READ MORE

Intern Profile: Kyle Sherry

Engineers have come up with many wonderful things from the ships used to explore the world during the Age of Exploration to cars used every day in modern society. With the advancement of technology, engineering has expanded into the chemical industry. Chemical engineers, such as Kyle Sherry a former intern at Advanced Biofuels USA, create a variety of products using the combined strengths of engineering and chemistry.

Kyle received his bachelors at Dartmouth College Thayer School of Engineering. He currently lives in Boston and works at Midori Chemicals as a process development engineer. Kyle’s path began at college and advanced from an internship at Advanced Biofuels USA to a prominent position at a noted chemical engineering company.

... After graduation, Kyle wanted to find a position at a company developing biofuels technology. While job searching he came across the Advanced Biofuels USA website and, thinking that working with Advanced Biofuels USA would improve his resume, he decided to volunteer. Kyle interned for about 5 months before finding a permanent position. While there he attended the Bio-Based Chemicals East conference near Boston in September 2010. He also researched companies
involved in the biofuels industry and summarized technical presentations for articles posted on the Advanced Biofuels USA website.

When asked what his favorite things about his experience were he said, “the best thing about volunteering was gaining exposure to conferences that normally are very expensive to attend and having access to many industry leaders from both start-ups and large companies.” Advanced Biofuels USA enables those trying to enter the biofuels industry learn more about the industry itself, the challenges ahead, and the skills needed to succeed. READ MORE

The second in an occasional series written by Nicholas DeFilippis. We wanted to help our readers get to know better the organization and the volunteers who make it work. We hope to enhance your appreciation for the professional skills and dedication of our volunteer staff and to inspire your support.

You will meet volunteers at all stages of professional life, from high school students to retirees; from college graduates building job skills to those of us who are “in between” job opportunities. All contribute rich experiences and talents and, like ripples in a pond, extend the reach of this organization where ever they go. which includes places around the world.---Joanne Ivancic

On the Road: Conferences and Events
Advanced Biofuels USA’s Stefaniya Becking Reports on Macroalgae/Seaweed Conference

Stefaniya Becking represented Advanced Biofuels USA at the second international conference on Seagriculture (exploring the seaweed chain) in Den Helder / Texel, the Netherlands, on September 25-26, 2013.

Becking reports that a number of factors make seaweeds attractive for biofuel production. Seaweeds grow fast, do not require valuable land space and freshwater. Further, due to the constant water movement, seaweeds do not require potentially harmful to ecosystem industrial fertilizers and pesticides for their growth. As emphasized throughout the conference, marine seaweeds in the coastal waters can use nitrogen run-off from agricultural land for their growth, thus providing an important eco-service. Bela Buck, President of German Aquaculture Association, stressed the need to take this cleanup service into account from the economic point of view when developing a business case for seaweed production.

Got Algae? The 2013 Algae Biomass Summit in Orlando, Florida

Danilo Gusamo de Quadros, a research scholar in bioenergy at the University of Florida and a professor of agronomy at Bahia State University in Brazil, also began to volunteer with Advanced Biofuels USA, representing the organization at conferences. His first report, on the 2013 Algae Biomass Summit this fall in Florida, includes interviews with Algae Biomass Organization executive director Mary Rosenthal and Martin Sabarsky, CEO of Cellana.

Although he focused on biofuels, his report acknowledges the vast array of uses for algae. "Algae for hydrotreating, to reduce the pollution from waste

---

### Advanced Biofuels USA at Texas Renewables Conference


A couple of years ago, the Advanced Biofuels USA board emphasized that this organization should go where other biofuels organizations were not going. As the only biofuels-related exhibitor at this event, our experiences in the sessions and constant flow of interested visitors to our exhibit validated that policy.

What happened there? For one, we were able to address many questions and misperceptions about biofuels and advanced biofuels from people who care about renewable energy. And that's another, to extend the concept of renewable energy to include liquid fuels for transportation as well as heat and power.

This proved to be a terrific chance to talk at length with reporters, students and educators. From the high school students working on a solar-powered car for the
Shell Eco competition (pictured with James Madison High School's team entry from two years ago) to environmental science majors helping with the conference to students staffing the University of Texas San Antonio engineering booth, we enjoyed a stimulating exchange of ideas and received a morale boost from the students' optimism and belief that they would live in a cleaner, more renewable energy world.

Support for carbon pricing provided a recurring theme throughout the sessions as the most effective way to establish a level playing field between fossil fuels and renewables. Watch the Advanced Biofuels USA web site for further exploration of this topic.

Thanks to Judie Frisch for her hospitality and "taxi" service in San Antonio without which we could not have participated in this event.

Future Events: Come Visit with Us at---

Say hello if you are at the Ohio Bioproducts Innovation Center annual meeting on December 3.

And join us at the Keystone Farm Show January 7-9 in York, PA.

Education Opportunity

The Northeast Bioenergy Scholars Program is an exciting summer research experience program for enthusiastic undergraduates who are interested in exploring bioenergy utilizing cutting-edge techniques. Check out the list of current topics and locations for
summer research opportunities. An accepted scholar receives a stipend to help cover living costs during the program.

This program is a great opportunity to work with researchers from Penn State University, Delaware State University, Cornell, Rutgers, West Virginia University, and other participating institutions. You also will be interacting with other students like you, especially during the one week orientation program held at the start of the summer.

The next round of applications opened on 01 November for the 2014 program. For more information, please contact Dr. Kalpalatha Melamee at kmelmaiee@desu.edu. Students can come from any part of the country, but positions will be at Northeast US universities. READ MORE

Upcoming Advanced Biofuels Conferences and Activities: Some Details

F.O. Licht’s Ethanol Latin America December 2-4, 2013 Cali, Colombia

F.O. Licht’s Ethanol Latin America, which is now in its 3rd year, takes place at a time when new mandates, a push for higher blends and new trading opportunities are opening up across Central/South America and the Caribbean. This event will give you a truly unique opportunity to meet, network and do business with decision-makers from across Latin America and beyond.

AT THIS EVENT YOU WILL BE ABLE TO:

- IDENTIFY new production and investment opportunities across Latin
LOOK at intra-region and international trade flows and identify supply gaps for both fuel and non-fuel ethanol

HEAR first-hand the strategic issues ethanol producers from across the region including Colombia, Mexico, Argentina, Paraguay and Cuba are facing.

Pacific Rim Summit on Industrial Biotechnology & Bioenergy
December 8-11, 2013 San Diego, CA

The annual Pacific Rim Summit on Industrial Biotechnology and Bioenergy is the original conference dedicated solely to the growth of the industrial biotechnology and bioenergy sectors in North America and the Asia-Pacific region. This year's event will be held in San Diego, California from December 8-11, 2013.

Programs will address the latest in advanced biofuels, alage, biomass production, biopolymers, bioplastics, dedicated energy crops, renewable chemicals, marine bio-resources and synthetic biology.

The event annually brings together delegates from:

- The United States
- Canada
- Malaysia
- China
- Japan
- Australia
- India
Currently, 29 million departures occur each year worldwide, more than 80,000 daily flights, ranging from air transport in global emissions of Greenhouse Gases (GHG) between 3 and 5%.

Fundamental to the sustainability of air transport, the deployment of biofuels, however, must be directed towards clean technology, cost, and does not compete with food crops.

To address the debate and find solutions Forum “Alternative Fuels and New Energy” will focus on the following dimensions:

- European: The impact of EU legislation on the sector, expanding biofuel
- Economic: The cost of biofuels and ways to reduce
- Technique: The state of research, technical adaptations …
- Social and environmental: Issues and implications for citizens

Subject firmly anchored in the news, by the complex interweaving of all its dimensions, the debate on biofuels should be treated thoroughly and at the highest level. Thus, bringing together the highest levels and the big bosses of Biofuels and the air, to build the debate on the future of energy in aviation in Europe, the Forum “Alternative Fuels and New Energies” participates in strengthen the influence of the city of Toulouse as a European center for aeronautics and development of alternative fuels for aviation, in the heart of the wider region of France.
ACI’s Carbon Dioxide Utilization Congress February 19-20, 2014 San Diego, CA

The perception of CO₂ as a waste product is being challenged by the emergence of new industrial applications. CO₂ utilization is now set to play an important role in the development of alternative fuels, ways to tackle climate change and the synthesis of high value chemicals.

Spread over two days in San Diego (AKA America’s Finest City), ACI’s Carbon Dioxide Utilization Congress will examine a wide range of CO₂ applications, featuring reports on the latest technologies along with fresh perspectives on established processes such as enhanced oil recovery. There will also be a focus on the implications of CO₂ utilization for the environment and the energy sector as a whole, with speakers coming from international corporations, renowned universities and regulatory bodies.

Key Topics

- Global trends in commercial CO₂ applications
- Cost-benefit analysis of Enhanced Oil Recovery
- Harnessing CO₂ as a waste stream
- CO₂ as a primary raw material in the synthesis of high value chemicals
- Supercritical CO₂ as an extraction solvent
- CO₂ conversion in the production of biofuels
- CO2 as a petrochemical feedstock

Readers of Advanced Biofuels USA’s web site receive a special discount: 20% off
valid till 18th November 2013, then 15% off till the date of the event. In order to claim this discount, email Justyna Korfanty (jkorfanty@acieu.net) and quote: CCO2MP READ MORE

F.O. Licht’s Sugar and Ethanol Asia February 25-26, 2014 Bangkok, Thailand

Bringing together ethanol and biofuel producers, sugar millers, traders, technology companies, shipping and logistics companies and users of fuel, industrial and beverage ethanol, F.O. Licht’s Sugar and Ethanol Asia 2014 will be a unique opportunity to network and hear from key industry players from a region that offers huge potential for expansion, trade and investment.

By attending F.O. Licht’s Sugar and Ethanol Asia 2014, you will get the insights and contacts you need to successfully do business in this part of the world. READ MORE

Green Polymer Chemistry 2014 March 18-20 Cologne, Germany

AMI is pleased to announce the dates for the 3rd international conference on Green Polymer Chemistry 2014. The event will take place from 18-20 March 2014 at the Maritim Hotel, Cologne, Germany. The conference will start with an evening welcome reception on the 18th March, followed by a 2-day technical and market programme.

The Green Polymer Chemistry conference provides an ideal forum for today’s market, as the polymer industry looks at alternatives to petrochemical sources to ensure a viable long-term future. Green Polymer Chemistry 2014 is a forum to
examine the latest developments in producing conventional polymers from sustainable sources including plants and biorefineries, algae, waste and CO2. What is the LCA and availability of the alternative sources, and is there competition with food and bioethanol for automotive? What polymers are already available in the marketplace?

Green Polymer Chemistry 2014 conference offers an excellent networking and sourcing opportunity for brand owners, environment and sustainability managers, business development and innovation professionals, chemical engineers, plastics manufacturers, agriculture specialists, biorefinery experts, biochemists, researchers, and suppliers to the industry to debate sustainable, economic solutions for polymer synthesis.  

**European Algae Biomass Conference May 5-7, 2014 Seville, Spain**

ACI's 4th annual European Algae Biomass Conference will once again bring together senior executives from industry and academia to discuss the latest commercial and technical developments, challenges and research breakthroughs throughout the entire algae value chain.

The conference will have a heavy focus on case study examples of latest technologies in operation in the global algae industry and also includes an exclusive site visit on Monday 5th of May 2014. Discuss the technical challenges faced when optimising the cultivation of algae. Study the current and future commercial markets for algae products and the challenges faced during the commercialisation process including the views from different end markets.  

**READ MORE**
European Biomass Conference and Exhibition June 23-26, 2014
Hamburg, Germany

The European Biomass Conference and Exhibition (EU BC&E) ranks as one of the top world leading events in the Biomass sector, combining a highly respected international Conference with an Industrial Exhibition. It highlights progress in research, technological development and production processes and brings together all key specialists to make it the most important international platform for dialogue between research, industry, research and industry, and policy in the biomass sector.

This event is supported by European and international organizations such as the European Commission, UNESCO - United Nations Educational, Scientific and Cultural Organization, Natural Sciences Sector, EUBIA - the European Biomass Industry Association, WCRE - the World Council for Renewable Energy and further organisations.

The Technical Programme is coordinated by the European Commission, Joint Research Centre. READ MORE

It's nearly Thanksgiving! Show your appreciation. DONATE!
Advanced Biofuels USA relies on corporate sponsorships, grants, in-kind donations and individual contributions to promote the understanding, development and use of advanced biofuels and to inspire action.

You can now make a secure donation to Advanced Biofuels USA via PayPal by clicking on the "Donate Now" button. It's quick, easy and safe. Make it a year-long gift by making monthly installments automatically.

The holidays are upon us. Thanksgiving, Hanukkah, Christmas, Eid, Winter Solstice, New Year's. You can make your gift in memory or in honor of someone special. Just let us know. Call (301-644-1395) or send an email: info@AdvancedBiofuelsUSA.org. We'll send a special card acknowledging your gift.

Thank you for your support.

You have received this newsletter because you indicated to us an interest in Advanced Biofuels USA. We hope you find it useful. If you want to stop receiving these occasional newsletters, just follow the instructions below.

Copyright © 2013 Advanced Biofuels USA, All rights reserved.
You are receiving this email because you opted in at our website or expressed an interest to us in joining our email list.

Our mailing address is:
Advanced Biofuels USA
507 North Bentz Street
Frederick, MD 21701

Add us to your address book