White Paper on Next Gen Feedstock; What YOU can do to lessen our addiction to oil; Congrats to POET and ABENGOA; Conference Calendar

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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.

2014

October

- Alternative Fuels and Propulsion Systems: Reducing Aviation's Impact on the Environment October 21, 2014 London, UK
- ACI's 3rd Carbon Dioxide Utilisation Summit 2014 October 21-23 Bremen,
 Germany
- 3rd International Frontiers in Biorefining Conference October 21-24, 2014 St.
 Simons Island, GA
- Lignobiotech III Symposium October 26-29, 2014 Concepcion, Chile

November

- 7th Annual Airports Going Green Conference November 3-5, 2014 Chicago, IL
- F.O. Licht's World Ethanol & Biofuels November 3-6, 2014 Budapest,
 Hungary*
- <u>Large-Scale Algal Cultivation, Harvesting and Downstream Processing</u>
 November 3-7, 2014 Mesa, AZ
- Workshop: Waste-to-Energy Roadmapping November 5-6, 2014 Arlington, VA
- ASTech International Conference Green Aviation November 6-7, 2014 Le Bourget, France
- Golden Opportunity To Take Dealership Of Renewable Oil & Gas
 Manufacturing Machines Summit 2014 November 8, 2014 New Delhi, India
- ABLCNext 2014: The Next: Technologies, Feedstocks, Business Models,
 Products and Markets November 10-12, 2014 San Francisco, CA
- Tennessee AgriTech Challenge November 11, 2014 Murfreesboro, TN
- Open Workshop on Microalgae Market November 12, 2014 Brussels, Belgium
- Venice 2014 Fifth International Symposium on Energy from Biomass and
 Waste November 17-20 Venice, Italy*
- Renewable Energy Latin American & Caribbean Conference & Exhibition
 (RELACCx) November 20-12, 2014 Fajardo, Puerto Rico* Scroll down for
 discount information.

December

- F.O. Licht's Ethanol Latin America December 1-3, 2014 Panama*
- EABA Global Conference and 8th International Algae Congress December 1-3, 2014 Florence, Italy
- Biofuels to Bioeconomy: Canadian Bioeconomy Conference December 1-3,
 2014 Toronto, Ontario, Canada
- Roundtable on Sustainable Biomaterials Auditor Course December 1-3, 2014
 Miami, Florida
- 8th International Algae Congress December 2-3, 2014 Ghent, Belgium
- <u>Dupont Summit 2014 on Science, Technology, and Environmental Policy</u>
 <u>December 5 Washington, DC</u>

Pacific Rim Summit on Industrial Biotechnology & Bioenergy December 7-9,
 2014 San Diego, CA

2015

January

- Southern Crossroads: Progress In the Science & Technology of Biomass
 Production, Processing and Use February 2-4, 2015 Auburn, AL
- 8th International Undergraduate Research Symposium (IURS 8) January 5 –
 9, 2015 Goa, India
- Keystone Farm Show January 6-8, 2015 York, PA
- Military Mobile Power Summit January 13-14, 2015 Alexandria, VA
- ACI's The Future of Aromatics 2015 January 14-15 Amsterdam, Netherlands
- Fuels of the Future 2015 January 19-20 Berlin, Germany
- World Future Energy Summit January 19-22, 2015 Abu Dhabi, United Arab
 Emirates
- <u>Lignofuels 2015 January 21-22 Madrid, Spain</u> * Scroll down for special discount information.
- Bio-Markets Asia Biomass Supply Chain & BiofuelsWorld January 26-29,
 2015 Jakarta, Indonesia
- 2015 Ag Connect Expo and Summit January 27-29, 2015 Indianapolis, IN
- BioPlastics: The Re-Invention of Plastics via Renewable Chemicals January 28-30, 2015 Miami, FL

February

- 6th Annual Next Generation Bio-Based and Sustainable Chemicals Summit February 3-5, 2015 New Orleans, LA*
- ARPA-E Energy Innovation Summit February 9-11, 2015 Oxon Hill, MD
- RFA's 20th Annual National Ethanol Conference (NEC): Going Global February 18-20, 2015 Grapevine, TX
- ACI's 4th Carbon Dioxide Utilization Conference 2015 February 25-26 San

Antonio, TX

March

- 21st International Symposium on Alcohol Fuels (The 21st ISAF) March 10-14,
 2015 Gwangju, Korea
- South-East European Exhibition on Energy Efficiency and Renewable Energy
 March 11-13, 2015 Sofia, Bulgaria
- AMI's Green Polymer Chemistry 2015 March 18-19 Cologne, Germany
- ACI's 4th Annual Gasification Summit March 24-26, 2015 Prague, Czech Republic
- ACI's Annual Lignofuels Americas Summit March 25-26, 2015 Milwaukee, WI

April

International Biomass Conference and Expo April 20-22, 2015 Minneapolis,
 MN

May

Alternative Clean Transportation Expo May 4-7, 2015 Dallas, TX

June

- Fuel Ethanol Workshop and Expo (FEW) June 1-4, 2015 Minneapolis, MN
- European Biomass Conference and Exhibition June 1-4, 2015 Vienna, Austria

July

19th Annual Green Chemistry & Engineering Conference (GC&E) July 14-16,
 2015 N. Bethesda, MD

August

International Conference and Exhibition on Biopolymers and Bioplastics

August 10-12, 2015 San Francisco, CA

September

 2nd International Conference on Past and Present Research Systems of Green Chemistry September 14-16, 2015 Florida

2016

May

ACT Expo May 2-5, 2016, Long Beach, CA

On-Going or Regularly Scheduled Events

- Extension Programs: NewBio Webinars 2nd Tuesdays
- Ethanol Safety Seminars Various Dates, Locations—Responding to Ethanol
 Emergencies Are you Prepared?

Get more information on our home page: www.AdvancedBiofuelsUSA.org and in our Coming Events and More Coming Events lists.

See also <u>CALL FOR PAPERS</u>, a list of invitations to submit abstracts for presentations and posters.

* Scroll down for more information.

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

Deadline October 2014

• CALL FOR PAPERS: European
Biomass Conference and



Exhibition June 1-4, 2015 Vienna, Austria DEADLINE: October 27, 2014

CALL FOR PAPERS: National Algae Association Algae Production

Workshop Fall 2014 DEADLINE: October 30, 2014

November 2014

CALL FOR PAPERS: BIO Pacific Rim Summit December 7-9, 2014 San
 Diego, CA DEADLINE: November 26 for papers

Deadline December 2014

- CALL FOR PAPERS: Southern Crossroads: Progress In the Science & Technology of Biomass Production, Processing and Use February 2-4, 2015 Auburn, AL DEADLINE: December 1, 2014
- CALL FOR ABSTRACTS: Alternative Clean Transportation Expo May 4-7, 2015 Dallas, TX DEADLINE: December 5, 2014

Deadline Uncertain

- CALL FOR SPEAKERS: World Biomarkets USA October 28-29, 2014
 San Diego, CA DEADLINE: uncertain
- CALL FOR PRESENTATIONS: Lignofuels 2014 November 19-20 Madrid,
 Spain DEADLINE: uncertain
- CALL FOR PAPERS: ACI's 4th Annual Gasification Summit March 24-26, 2015 Prague, Czech Republic DEADLIINE: uncertain
- CALL FOR ABSTRACTS: 2nd International Conference on Past and Present Research Systems of Green Chemistry September 14-16, 2015 Florida DEADLINE: Young Researchers Forum and General

Presentations-Unclear

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Congratulations! Celebrating Innovation



Congratulations to POET's Project LIBERTY which celebrated the grand opening of its cellulosic ethanol plant in Emmetsburg, Iowa, in early September

(READ MORE).

ABENGOA

And to ABENGOA on the grand opening of its Hugoton, Kansas cellulosic ethanol/bio-based chemicals and products plant in mid-October (READ MORE)

Turning crop residues into transportation fuels and other bio-based products, decreasing our collective transportation carbon footprint, increasing energy security, adding to US jobs and economic

development.

Heart-felt thanks to everyone who persisted through the rough times to bring these important projects to life.

Happenings on Capitol Hill, at the White

House and in Federal Agencies

Agriculture Secretary Tom Vilsack Addresses OBIC Bioproducts World Showcase and Conference; "Why Biobased?" Report Released



USDA's new report <u>"Why Biobased?"</u> is the first comprehensive federal quantification of the job opportunities and other economic benefits of the growing biobased products and renewable chemical industry which was showcased at the OBIC

Bioproducts World Showcase and Conference October 6-8 in Columbus, Ohio.



In conjunction with the release of the report, **USDA Secretary Tom Vilsack** spoke about the importance and value of biobased products; the value of agriculture to creating a sustainable future; and the role of the USDA's BioPreferred program in promoting use of biobased products. **READ MORE Download Report**



Advanced Biofuels USA has begun paying more attention to biobased products and chemicals as co-products of advanced biofuels production. Board member, **Dr. Barbara Vieira**, OBIC Assistant Director, and Treasurer, **Bob Kozak**, met with Showcase visitors.

The Embassy of Belgium's Trade Commissioner, **Gilles Ghilippart de Foy**, at right with Bob Kozak, talked about biofuels and biobased product development in the European Union and the US.

Commercial Bioproduct Innovation of the Year and Consumer Bioproduct Innovation of the Year Awards



Also at the OBIC Bioproducts World Showcase, **Teknor Apex Company** was named Commercial Bioproduct
Innovation of the Year and **Cenergy USA**, **Inc.** was named
Consumer Bioproduct Innovation of the Year.

Cenergy USA (Little Rock, AR) received the award for Magic Dirt,TM a recycled co-product of generating renewable energy and reducing greenhouse gas emissions. In his presentation, **Bob Joblin** (shown with Advanced Biofuels USA executive director, **Joanne Ivancic** who served as one of three judges) explained that without the income from co-

amendment, Magic Dirt TM, digestion system that would not work.
In addition, Magic Dirt TM resulting in additional benefits. The multiplier impressed the judges and the award.

products such as soil the economics of the anaerobic produces this as a by-product,

> substitutes for peat moss, carbon footprint reduction effect of the Magic Dirt other competitors for the

Edwin Tam (at left in

photo), manager of new

strategic initiatives for Teknor Apex, accepts the Bioproduct Innovation of the Year Award from **Max Maksimoski**, president of Maximum C/Q, a consultant to the OBIC Bioproducts Innovation Center at Ohio State University. **READ MORE**

In the News

White Paper on Feedstock for Next Gen Biofuels Published

Robert Kozak of Atlantic Biomass Conversions contributes his thoughtful approach to answering these questions posed by Biofuels Digests's Jim Lane: "As the first wave of cellulosic biorefineries launch — is there really enough affordable feedstock for the next wave? Can growers make enough money to justify the switch...and risk?"

Kozak's answer, after outlining the current weaknesses in current biomass development philosophy for feed,

fuel, chemicals and bio-based products, is: "Yes, if we realistically address the financial realities of feedstock producers and feedstock buyers" and he proposes root crops as a viable solution to these challenges.

He bases his arguments on cell wall structure, lack of pesky lignin, and potential for over-wintering in situ to address storage logistics, etc. (Photo: sugar beet pulp, a food-processing residue) READ MORE Download Paper

What I Can Do to Lessen Our Addiction to Oil? Advanced Biofuels USA Publishes Some Suggestions

George W. Bush urged the US to "get off our addiction to oil." He talked about biofuels made from switchgrass as one solution. So, how are we doing? OK, but we still have a ways to go. We have replaced 10% of our transportation fuel with renewables, using ethanol, biodiesel and renewable diesel; and renewable jetfuel

on a few commercial airline flights. Can we do better?
You bet!

Advanced Biofuels USA <u>published a few suggestions</u> that anyone can do every day.



From learning about the fossil-fuel divestment movement; divesting as an individual and getting colleges/universities, religious organizations, communities and businesses to divest their fossil fuel

interests (and invest in renewable alternatives) to looking for fuel stations with installed 'blender pumps' that give customers a choice of ethanol blended fuels and *high octane benefits* (see photo) to asking airlines when they will start using biojetfuel on commercial flights.

Every individual can do his or her part to bring about a sustainable renewable energy future.

<u>Click here</u> to get practical, easy-to-do suggestions to promote, encourage and use advanced biofuels, including URL links for more information. <u>Click here for a PDF</u> handout.

And don't miss: 4 Minutes With...Joanne M. Ivancic, President, **Advanced Biofuels USA**

Biofuels Digest recognizes the millions around the world who make renewable, sustainable energy and related products fuels and chemicals happen by highlighting individuals from all aspects of these efforts in a "4 Minutes With" segment. Visit for four minutes with these folks here, including Advanced Biofuels USA's Joanne Ivancic.

Future Events: Come Visit Us!

Lecture on The Past, Present, and Future of Biofuels November 7 at Villanova Unversity



At the invitation of **Dr. Charles Coe** of Villanova's Chemical Engineering Department, Joanne Ivancic will present answers the questions: What Are Advanced Biofuels? Why Are They Important? What Are They Used For? How Are They Made? Can We Buy Them Now?

Emphasizing economic, environmental and social sustainability, the conversation will include challenges and issues that must be overcome and resolved if this world can have successful, useful advanced biofuels production.

Keystone Farm Show January 6-8, 2015 York, PA

For the fourth year, Advanced Biofuels USA exhibits at **STONE FARM SHOW** the Keystone Farm Show. A great way to spend some NUARY 6-7-8, 2015 AM-4 PM · Wed, 9 AM-4 PM · Thurs, 9 AM-3 PM AIRGROUNDS · 334 CARLISLE AVE, YORK, PA 17404 COID WINTER days -- visting with and learning from fulltime farmers in Pennsylvania, New Jersey, Maryland, and Northern Virginia.

Come see us in booth H308 in Building 3 on the York jest Commercial Farm Equipment & Service Fairgrounds. READ MORE

Upcoming Advanced Biofuels Conferences and Activities: Details, **Discounts, Deals**

F.O. Licht's World Ethanol & Biofuels November 3-6, 2014 Budapest, Hungary



Now in its 17th year, F.O. Licht's World Ethanol and Biofuels is the must attend event for the global ethanol and biofuels community. Recognised as the best forum for in-depth S analysis and as the biggest week of trade and business in 3-6 November 2014 the year, this really is the annual global meeting place where fresh ideas, lots of business and new contacts are made.

F.O. Licht's World Ethanol and Biofuels conference is the No.1 networking forum for the industry, attracting a cross-section of the supply chain from all over the world.

- Hear and Meet Ethanol & Biofuel Producers from Across the Globe 25%
 of Total Attendance
- Be Part of the Biggest Week of Trade and Business in the Year
- Covering all Biofuels, Biochemicals and Providing 2G Solutions
- You'll be Alongside 600+ International Executives with a Stake in this Industry
- Be Part of an Event Which Provides the Best Content Designed by Experts in the Ethanol and Biofuels Market
- More Face-To-Face Networking Opportunities <u>READ MORE</u>

Venice 2014 – Fifth International Symposium on Energy from Biomass and Waste November 17-20 Venice, Italy

The production of energy from alternative sources and its impact on climate change are among the main strategic tools implicated in the sustainable development of our society. Numerous types of biomass and wastes contribute towards the production of energy and reduction in the use of fossil fuels by means of biological, chemical and thermal

processes. Existing biomass and waste to energy technologies are currently undergoing rapid development. Despite growing interest in the use of these technologies, in many countries their implementation remains limited.

The aim of the Venice 2014 Symposium is to focus on the advances made in the application of technologies for energy recovery from biomass and waste and to encourage discussion in these fields. The previous edition of the Symposium, held in 2012, was attended by nearly 580 scientists and operators from approximately 62 different countries.

The fifth edition of the Symposium will be held in the stunning island of San Servolo in the Venetian Lagoon and will feature:

Three days of scientific presentations

tenewable Energy Latin American & Caribbean Conference & Expo

AJARDO, PUERTO RICO

LEARN MORE

One day of guided technical tours at biochemical and thermochemical plants Six parallel oral sessions (one of which in Italian), poster sessions and an exhibition by companies working in the field

Expected attendance of over 600 delegates from tens of different countries worldwide

The Symposium is organized by the International Waste Working Group (IWWG) with the scientific support of the Universities of Queensland, Padova, Hokkaido, Rostock, Trento and Hamburg University of Technology. READ MORE

Renewable Energy Latin American & Caribbean Conference & Exhibition (RELACCx) November 20-21, 2014 Fajardo, Puerto Rico

Renewable Energy Latin America & Caribbean Conference & Exhibition (RELACCx, is the premier renewable energy NOVEMBER 20 - 21, 2014 finance and development event for Latin America and the Caribbean. This two-day conference will take an in-depth look at political and financial landscapes, prominent and

emerging markets, and existing energy infrastructure to provide the audience with the tools needed to accelerate renewable energy development in these regions.

From new business models that encourage small-scale renewable energy deployment to financial mechanisms for utility-scale power plants, this conference addresses current challenges and opportunities from investor, project developer, policymaker, and regulatory perspectives. Learn from the successes of existing projects to better understand industry hurdles, and gain key insights from financial institutions to minimize risk and increase the viability of renewable energy projects in your country.

Use 20% discount code SPT20AB and REGISTER TODAY!

READ MORE

F.O. Licht's Ethanol Latin America December 1-3, 2014 Panama



F.O. Licht's Ethanol Latin Amercia is a unique opportunity to network and hear from key industry players from a region that offers huge potential for expansion, trade and investment. Bringing together ethanol and biofuel producers, sugar millers, traders, technology companies, shipping and logistics companies and users of fuel, industrial and beverage ethanol – this event provides the insights and

contacts you need to succeed in this region.

Featuring specialists in ethanol plant design and operation, this is a must-attend workshop to improve your knowledge on the fundamentals of ethanol production, identifying the key factors in maximising production efficiency and implementing new technologies and finding out how best to run your plant in a sustainable and profitable manner. READ MORE

Lignofuels 2015 January 21-22 Madrid, Spain

Lignofuels 2015

> 21st - 22nd January Madrid, Spain

On its 6th edition, this two day annual conference will once again bring together key industry stakeholders, from across the globe, to engage in interactive discussions as well as network with a variety of people. You will be joined by advanced biofuels companies, enzyme companies, biotechnology developers, chemical companies and many

more.

Exclusive Site Visit

We also have the exciting opportunity to visit Abengoa Bioenergy's W2B Demonstration Plant during the afternoon of Tuesday 20th January 2015 as part of the event. Only a limited number of attendees will have this opportunity.

The plant has capacity to treat 25,000 tons of municipal solid waste (MSW) from which it will obtain up to 1.5 million liters of bioethanol, using technology developed by Abengoa to produce 2nd generation biofuels from MSW using a fermentation and enzymatic hydrolysis treatment. During the transformation process, the organic matter is treated in various ways to produce organic fiber that is rich in cellulose and hemicellulose, which is subsequently converted into bioethanol.

Advanced Biofuels USA readers/subscribers are entitled to a discount on registration. For more information, full agenda or discounted registration please contact Dimitri Pavlyk on +44 (0)203 141 0627 or dpavlyk@acieu.net quoting EEF6D15.

READ MORE

6th Annual

BIO-BASED &

SUSTAINABLE

CHEMICALS

February 3-5, 2015 New Orleans, LA

6th Annual Next Generation Bio-Based and Sustainable Chemicals Summit February 3-5, 2015 New Orleans, LA

Infocast's 6th Annual Next Generation Bio-Based and Sustainable Chemicals Summit debuts in New Orleans, LA, NEXT GENERATION co-located with informEx for the first time to provide attendees with unparalleled networking capabilities and access to exhibitors. Bio-based tech start-ups, brand owners, chemical majors, feedstock providers, financiers,

strategic venture capitalists, OEMs and retailers from around the world will once

again convene to explore bio-based chemicals as the answer to a number of market drivers. Speakers will provide a detailed overview of the most current developments the industry faces and map out a clear path of the road to commercialization. This high value networking Summit is globally recognized as the deal-making hub for the bio-based industry. We look forward to seeing you at the event our participants have praised as "The Premier Bio-Based Chemicals Conference in North America!" READ MORE

AMI's Green Polymer Chemistry 2015 March 18-19 Cologne, Germany

18-19 March 2015 Maritim Hotel. Cologne, Germany

AMI's Green Polymer Chemistry 2015 is the 4th edition of GREEN POLYMER the international conference on sustainable synthesis of CHEMISTRY 2015 plastics and elastomers including materials currently available in the marketplace. The event will take place from 18-19 March 2014 at the Maritim Hotel, Cologne, Germany. The conference consists of a 2-day techno-economic

programme alongside a focused exhibition with a networking evening cocktail reception on the 18th March for all delegates and speakers.

The Green Polymer Chemistry conference is an ideal forum for today's market, as the polymer industry looks at alternatives to fossil feedstock to ensure a long-term future. The programme aims to cover:

- The latest developments in producing conventional polymers from sustainable sources, such as biorefineries, algae, waste and CO2.
- What is the LCA and carbon footprint of the alternative sources, and is there competition with food and fuel?
- Are there "green" polymers that are commercially feasible in terms of price and availability for large brand owners

Green Polymer Chemistry 2015 offers high-level professional networking, 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 the polymer industry. READ **MORE**

International Conference and Exhibition on Biopolymers and Bioplastics August 10-12, 2015 San Francisco, CA



Biopolymers and Bioplastics-2015 is the premier event which brings together a unique and International mix of experts, researchers and decision makers both from and Bioplastics academia and Industry across the globe to discuss the current issues and to share the research idea in the arena of biotechnology, material science, environmental science

,nanotechnology, Chemistry and other allied fields. The event includes interactive sessions, Key note speech, of Oral Presentation, Poster presentation, Scientific partnering, Exhibition etc.

Scope of the congress:

- Green Chemicals: Biopolymers and Bioplastics
- Bioplastics vs Conventional Plastics
- Future and Scope for biopolymers and Bioplastics
- Biorefineries and Industrial Biotechnology
- Current Status on Biobased Materials and Biorefining
- Biomass in Industrial development
- Case Studies: Different Uses of Bioplastics
- Ceramic Composites and Its Applications
- Biodegradation, composting, environmental issues
- Biocomposites

- Biomacromolecules and biopolymers
- Micro and Nano Blends based on Natural Polymers
- Production of other biobased/biodegradable polymers READ MORE

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Advanced Biofuels USA relies on Individual Contributions, Corporate Donations, In-Kind Donations and the Work of Many Volunteers to enable this organization to promote the understanding, development and use of advanced biofuels and to inspire action.

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Don't let this opportunity slip away! Thank you for your support.

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