Tentative Program

13th World Congress on

Biofuels and Bioenergy

September 04-06,2018 Zürich, Switzerland

Disseminating energy solutions from nature on a global platform



Interactive Sessions | Keynote Lectures | Plenary Lectures | Workshops

Exhibitors | B2B Meetings

For available speaker slots

biofuelscongress@chemseries.com

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Biofuels and Bioenergy

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Program at a Glance

Day 1

Morning Sessions	Reception/Registration	08.00-09.00	
		Time	General Session
	Least of 3 Keynote/Plenary Talks	09.00-09.15	Inaugural Address
		09.15-09.45	Keynote/Plenary Talk 1
		09.45-10.15	Keynote/Plenary Talk 2
		10.15-10.45	Keynote/Plenary Talk 3
	Panel Discussions/Group Photo		
	Coffee/Tea Break 10.45-11.00 (Networking)		
	11.00-12.40	Advanced Biofuels | Aviation Biofuels | Algae Biofuels	
Evening Sessions			
	Lunch Break 12.40-13.30		
	13.30-15.30	Biomass | Biomass Technologies	
	Coffee/Tea Break 15.30-15.45 (Networking)		
	15.45-17.25	Workshop & Symposium	

Day 2

Morning Sessions		Time	Session 1	Session 2
	09.00-10.40		Keynote Forum	
	Coffee/Tea Break 10.40-10.55 (Networking)			
	10.55-12.35		Production of Biofuels	Biodiesel | Biorefineries
Evening Sessions	Lunch Break 12.35-13.25			
	13.25-15.05		Poster Presentations	Poster Presentations
	Coffee/Tea Break 15.05-15.20 (Networking)			
	15.20-17.00		Bioalcohols and Bioethanol	Biorefineries | Renewable Energy

NOTE: Program Schedule is subject to change with final allotment of the speaker slots

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Day 3			
Morning Sessions	Time	Session 1	Session 2
	09.00-10.40	Keynote Forum	
	Coffee/Tea Break 10.40-10.55 (Networking)		
	10.55-12.35	Bioenergy	Biohydrogen
Evening Sessions	**Lunch Break 12.35-13.25**		
	13.25-15.05	Workshop	Biomass feed stocks for renewable energy generation
	Coffee/Tea Break 15.05-15.20 (Networking)		
	15.20-17.00	Biogas	Food VS. Fuels debate
NOTE: Program Schedule is subject to change with final allotment of the speaker slots			



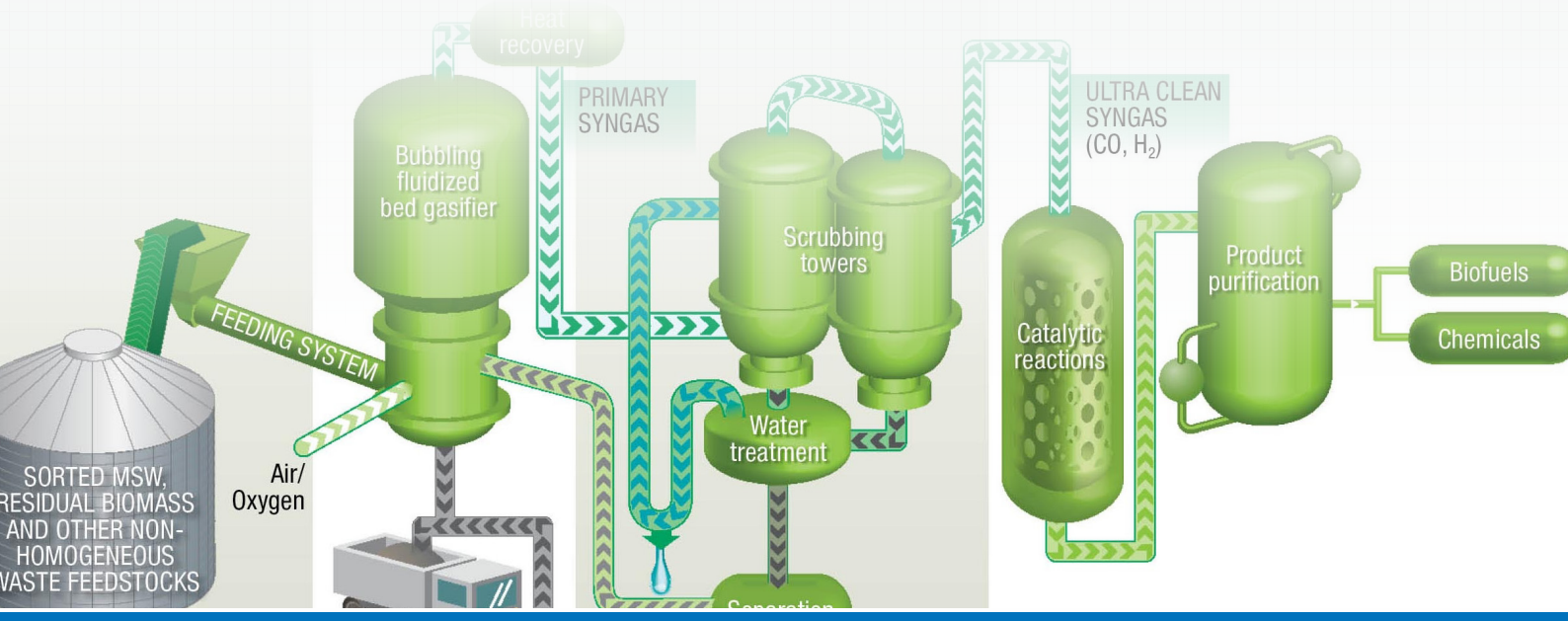
Conference Highlights

- Advanced Biofuels
- Algae Biofuels
- Aviation biofuels
- Biomass
- Biogas
- Biodiesel
- Bioethanol
- Bioenergy
- Bioenergy Applications
- Biohydrogen
- Biorefineries
- Bioethanol Economics
- Biomass Technologies
- Bioenergy Conversion
- Bioenergy Transition
- Biomass feed stocks for renewable energy generation
- Food vs Fuels Debate
- Production of Biofuels
- Process for Bioenergy
- Renewable Energy

For detailed sessions, please visit: https://biofuels-bioenergy.conferenceseries.com/europe/call-for-abstracts.php

Submit your abstract online at: https://biofuels-bioenergy.conferenceseries.com/europe/abstract-submission.php

Register online: https://biofuels-bioenergy.conferenceseries.com/europe/registration.php



Glimpses of Biofuels Congress 2017













BEST TOURIST ATTRACTIONS IN ZÜRICH, SWITZERLAND



Kunsthaus Zürich

Lake Zurich





Zürich Zoologisches Museum

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Scientific Program

7th International Congress on

BIOFUELS AND BIOENERGY

October 02-04, 2017 Toronto, Canada



Conference Series - America

One Commerce Center-1201, Orange St. #600, Wilmington, Zip 19899, Delaware, USA

P: +1-702-508-5200, F: +1-650-618-1417

Conference Series - UK

Kemp House, 152 City Road, London EC1V 2NX Toll Free: +1-800-216-6499

Registrations

Dorothy

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Opening Ceremony

Keynote Forum

Introduction

Title: Cellulosic biofuels: Realizing climate benefits and new processing paradigms
Lee Lynd, Dartmouth College, USA

Title: Bioenergy and energy sustainability
Marc Rosen, University of Ontario Institute of Technology, Canada

Title: Nanoporous celluloses, previously unknown forms, as the best primary feedstocks for energy, chemical and agricultural feed production
Rajai H Atalla, Cellulose Sciences International, USA

Panel Discussions

Networking & Refreshment Break

Title: Engineering of plants for improved conversion into biofuels and bioproducts
Henrik V Scheller, Lawrence Berkeley National Laboratory, USA

Enhanced production of feedstock biomass: Biostimulants as a low-cost, low-carbon approach
Donald L Smith, McGill University, Canada

Speical Session

Title: Eucalyptus trees for bioenergy
Donald L Rockwood, University of Florida, USA

Title: Fast growing poplars for bioenergy
Ronald S. Zalesny Jr, USDA Forest Service, USA

Title: Shrub willow for bioenergy and ecosystem services
Timothy A. Volk, SUNY ESF, USA

Group Photo @ Dorothy

Lunch Break

Sessions: Biomass | Bioenergy
Session Chair: Prabir Basu, Dalhousie University, Canada
Session Co-chair: Charles M. Cai, UC Riverside, USA

Session Introduction

Title: A comprehensive study on production of torrefied Biofuel using inclined rotary reactor
Prabir Basu, Dalhousie University, Canada
Title: Biomass deconstruction towards total carbon utilization for future biorefineries
Charles M. Cai, UC Riverside, USA
Title: Biomass combustion with CO_2 capture by chemical looping
Alberto Abad, ICB-CSIC, Spain
Title: Carbon debt of forest bioenergy - Fact or fantasy?
Niclas Scott Bentsen, University of Copenhagen, Denmark
Title: Modifying lignin content and composition to improve sorghum for bioenergy
Scott Sattler, USDA-ARS, USA
Title: Cold climate anaerobic digestion
James Houser, Appalachian State University, USA
Title: Genetic manipulation of the cell wall hemicellulose component as a route to improved feedstock materials for biofuels production
Jacob K Jensen, Michigan State University, USA
Title: Storage activity in the woody biomass supply chain: Mitigating GHG emissions and biomass degradation
Selly krigstin, University of Toronto, Canada

Panel Discussions

Networking & Refreshment Break

Sessions: Biomass | Bioenergy
Session Chair: Vosatka Miroslav, Institute of Botany Czech Academy of Sciences, Czech Republic
Session Co-chair: Niclas Scott Bentsen, University of Copenhagen, Denmark

Title: Demonstrating operational stability and high returns on investment using additives in biomass burning power boilers
Adam Campen, Imreys, USA
Title: Steam Explosion for the extraction of sugars, pectic hydrocolloids, phenolics, flavonoids and oils from Citrus sinensis
Christina Dorado, USDA-ARS, USA
Title: Evaluation of rise husk for bio-hydrogen production
Serpil Özmıhçı, Dokuz Eylül University, Turkey
Title: Ecological management of fast growing trees plantations and biorefinery of added value products from biomass
Vosatka Miroslav, Institute of Botany Czech Academy of Sciences, Czech Republic
Title: Water-Energy-Food Nexus: Biogas background and perspectives for Brazil and the United States by 2050
Janaina Camile Pasqual, Pontifical Catholic University of Paraná, Brazil
Title: Predictive statistical model for optimized biomass boiler operation
Naz Orang, University of Toronto, Canada
Title: Hydrogen chloride removal from wood waste-derived syngas using inorganic sorbents
Augstina E.phram, Centre RAPSODEE, France
Title: Calcium phosphates as a novel support material for catalysis in Fischer-Tropsh synthesis
Rajesh munirathnam, Centre RAPSODEE, France
Title: Comparing pretreatment and subsequent hydrolysis maximum total sugar yielding conditions organosolv pretreatment to CELF pretreated poplar
Rachna Dhir, University of California Riverside, USA

Panel Discussions

Day 2 October 03, 2017

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Keynote Forum

Title: Biofuels and bio-chemicals: One perspective

Ajit Sapre, Reliance Industries, India

Title: Technical challenges of large-scale microalgae harvesting for feed, food, and biofuels production

Majid Hosseini, The University of Texas Rio Grande Valley, USA

Title: Innovative catalysts for the conversion of greenhouse gases (CO_2 and CH_4) from biowastes to energy and chemical

Ange Nzihou, Centre RAPSODEE, France

Networking & Refreshment Break

Title: Recent progress in torrefaction for upgrading solid biomass fuels

Wei-Hsin Chen, National Cheng Kung University, Taiwan

Speical Session

Malgorzata Slupska, POET, USA
Jason Bootsma, Flint Hills Resources, USA
Brooks Henningsen, Mascoma LLC, USA
Herman Pel, DSM, Netherlands
Sarah Teter, Novozymes, USA

Panel Discussions

Lunch Break

Title: Getting to Scale: Choosing the right financing tool, and the right location

Jeff Passmore, Passmore Group Inc., Canada

Sessions: Advnaced biofuels | Biorefineries | Bioethanol

Session Chair: Wolfgang Bauer, Michigan State University, USA
Session Co-chair: Kesen Ma, University of Waterloo, Canada

Session Introduction

Title: Comparison of bio-ethanol and biogas: Net energy ratio, total yield, and greenhouse gas emissions

Wolfgang Bauer, Michigan State University, USA

Title: Biofuels between manifold expectations - How to assess their potential for sustainable transportation?

Daniel thran, Helmholtz Centre for Environmental Research (UFZ), Germany

Title: Direct ethanol fuel cell performance using polyzenzimidazole/graphene oxide nanosheets electrolyte membrane

Shingjiang Jessie Lue, Chang Gung University, Taiwan

Title: Engineered carbon cycling strategies for advanced net-zero carbon Biofuels

Lan Rowe, U.S. Department of Energy, USA

Title: Making a bridge between biomass and hydrocarbon in a standard refinery

Leandro Soter de Mariz e Miranda, UFRJ, Brazil

Title: Effective microbial production of 2,3-butanediol from Biodiesel derived crude glycerol

Wensheng qin, Lakehead University, Canada

Panel Discussions

Networking & Refreshment Break

Title: Thermostable pyruvate decarboxylases are key enzymes in the alcohol fermentation at high temperatures

Kesen Ma, University of Waterloo, Canada

Title: Bamboo: A fast-growing feedstock for a biorefinery

Nuwan Sella Kapu, University of British Columbia, Canada

Title: The potential black liquor has to improve the sustainability of kraft process if used as feedstock for kraft biorefinery

Franklin Kalu, Heriot-Watt University, UK

Title: India BioFuel industry- Challenges, Opportunities and business strategies

Amanpreet Singh, Engineers India Limited, India

Title: Microwave-assisted organic acid pretreatment of starch based agro-residue: Assessment of fermentable sugar and bioethanol production

Funmilayo Faloye, University of KwaZulu-Natal, South Africa

Title: Fossil fuel co-combustion of lignocellulosic sugarcane biorefineries: Techno-economic analysis (TEA) and life cycle assessment (LCA)

M Ali Mandegari, University of Stellenbosch, South Africa

Poster Presentations

BFBE-01 **Title: Development of resources and tools to improve oil content and quality in pennycress**

Fan Yang, The Ohio State University, USA

BFBE-02 **Title: Oxidative decomposition of lignin for materials of resin**

Isao Hasegawa, Kansai University, Japan

BFBE-03 **Title:High value chemicals from palm Biomass: Combustion kinetics of leaflet, rachis and fibers of UAE date palm tree biomass using thermogravimetric analysis**

Emmanuel Galiwango, UAE University, UAE

BFBE-04 **Title: Optimization of a meter-cubed (1m3) upscaled PBR (a focus on the light distribution of culture-agitation)**

Allen Akwu-Ude, University of Glasgow, UK

BFBE-05 **Title: Kinetics and thermodynamics of thermal inactivation of recombinant *E coli*-lignocellulases cel8C, cel12B, and peh28, on cellulose and pectin: Implications for lignocellulosic biomass conversion**

Eman Ibrahim, Texas A and M University-Kingsville, USA

Day 3 October 04, 2017

Dorothy

Keynote Forum

Title: Perspective of fermentative H_2 Production technology from biomass for commercialization

Nanqi Ren, Harbin Institute of Technology, China

Title: Bioenergy production through chemical looping processes

Francisco García Labiano, ICB-CSIC, Spain

Title: Renewable fuels and products from biomass: A hybrid thermochemical and biochemical conversion process

Animesh Dutta, University of Guelph, Canada

Networking & Refreshment Break

Title: Why is the thermophilic ethanol fermentation limited to low ethanol titers?

Weilan shao, Jiangsu University, China

Workshop

Title: Workshop on Synthesized natural gas production by dually fluidized bed gasification of woody biomass and subsequent methanation

Koji Hashimoto, Tohoku Institute of Technology, Japan

Special talk

Jim Grey, IGPC ethanol, Canada

Title: A competitiveness analysis of alternative oilseeds for biodiesel production in Brazil
Antonio Domingos Padula, UFRGS, Brazil
Title: A systems approach to improve oil synthesis in alternative crops
Ana Paula Alonso, The Ohio State University, USA
Title: Intensified biofuel production
Anh phan, Newcastle University, UK

Panel Discussions

Lunch Break

Title: Antiwear study on petroleum base oils with esters
A. Rajendiran, Bharat Petroleum corporation ltd, India
Title: Biofuels production from microalgae extracts (green diesel and biokerosene)
Luis F Barahona, CICY, Mexico
Title: Feasibility of using brewery wastewater for biodiesel production and nutrient removal by scenedesmus dimorphus
Giovanni Antonio Lutzu, Oklahoma State University, USA
Title: Recycle of process streams for sustainable production of algae biofuels
Ashwin Gajra, Reliance Industries Limited, India
Title: Microbial based biofuel production: potential impact on the control of global warming
Javid Hussain, Institute of Chemical Sciences University of Peshawar, Pakistan
Title: Production of Microalgae Biomass (MAB): A cost-efficient, profitable, sustainable and quality upscaling of five commercial microalgae strains in greenhouse at northern latitudes
Henry T Bedoya, University of Life Sciences, Norway
Title: Effect of trace metals addition on food waste anaerobic digestion
Andisheh Yazdanpanaha, University of Western Ontario, Canada

Panel Discussions

Networking & Refreshment Break

Award Cermony