



Advanced Technologies
for Energy Production



South Baltic Gas Forum

Biogas Session of the South Baltic Gas Forum

“Science & Technology for sustainable biogas production and use”

Date: Thursday, September 8, 2011

Venue: Gdansk/Poland

Organizers: Baltic Eco Energy Cluster (BEEC), Pomeranian Centre for Environmental Research & Technology (POMCERT), Gdańsk University of Technology (GUT).

Target group:

The session addresses mainly scientists and investors from the Baltic Sea Region other countries interested in the field of biogas/biomethane production and use.

Purpose of the workshop:

The purpose of the session is to promote technological development and an exchange of experiences regarding sustainable biogas/biomethane production and use. The session addresses specifically the latest scientific and technological developments.

Structure of the presentations:

The morning part of the session is intended to show the latest development from the Baltic Sea & European perspective. It is going to address the issues related to production of biogas from agricultural residues, biogas from algae, dry and wet fermentation of organic solid waste, as well as biogas from landfills.

The afternoon part of the session is intended to show the latest advances in the Polish universities and research institutes working with biogas technologies. Production of biogas from agricultural waste will be given special attention. Also, different technologies for use of the generated biogas will be presented. This session is going to be organized in association with the SPIN project.

Venue:

The session will take place at the premises of the Gdańsk University of Technology, Narutowicza 11/12, Gdańsk, Poland.

Registration:

Please confirm your participation by July 15, 2011 by inserting the attached registration form and sending it to biogaz@imp.gda.pl

Language:

The presentations will be in English.

Fee for participants:

All participants of this session will be charged the fee of 200 EURO.

Contact: biogaz@imp.gda.pl, www.imp.gda.pl/Biogaza/biogas@gasforum2011.com, www.gasforum2011.com

Draft Agenda



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Start	End	Time	Title	Speaker	Organisation
08:00	09:00	1:00	Registration		
Part 1: Latest updates about the biogas technology development in Europe					
Moderation: Janusz Gołaszewski(BEEC)/ Andrzej Tonderski (POMCERT)					
9:00	09:10	0:10	Welcome address	Jan Hupka/ Jan Kiciński	Rector of GUT/ Director of IFFM
09:10	09:40	0:30	Biogas – status quo in Germany	Michael Seiffert	DBFZ, Leipzig
09:40	10:00	0:20	Biogas from Agricultural Residues	Denmark	
10:00	10:20	0:20	Biogas from Algae	Royal Institute of Technology, SE	SUBMARINER
10:20	10:40	0:20	Upgrading biogas and biomethane injection to the grid	Frank Hofmann	Ecofys, Berlin
10:40	11:00	0:20	Dry Fermentation of Organic Solid Waste	NN	
11:00	11:20	0:20	Coffe Break		
Part 2: Latest updates of scientific projects dealing with biogas.					
Moderation: Jan Kiciński (BEEC)/Adam Cenian (BEEC)					
11:20	11:50	0:30	Development of efficient methane fermentation process and biogas plant technologies	J. Gołaszewski	Warmia i Mazury University
11:50	12:20	0:30	Aquatic biomass as source of renewable energy	M. Krzemieniecki et al.	Warmia i Mazury University
12:20	12:40	0:20	Optimizing the low temperature biogas production from biomass by anaerobic digestion	M.Markowski, I.Białobrzewski, M.Zieliński, M.Dębowski M.Krzemieniewski	Warmia i Mazury University
12:40	13:00	0:20	The comparison of biomass feedstock from dedicated energy crops for biogas production	T. Sałek, W. Truszkowski, W. Budzyński	
13:00	13:20	0:20	Mikrobiogas instalations	J, Cebula/ P Aranowski	
13:20	14:30	1:10	Lunch / Poster Exhibition		
Part 3: Spin and Poster Sessions					
Spin Session					
Moderation: Włodzimierz A.Sokół – National Contact Point for Eco-efficient					



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			Technologies and Management Systems in Central Mining Institute (GIG)		
14:30	14:50	0:20	Introduction to biogas sector in SPIN	Project Leader	
14:50	15:10	0:20	Biogas in regional environmental management - SPIN partner - Poland (GIG)	W.Sokół	Central Mining Institute Katowice
15:10	15:30	0:20	Biogas technologies	Tauno Trink	Estonian Biogas Association
15:30	15:50	0:20	Biogas technologies	SPIN partner	
15:50	16:10	0:20	Biogas technologies	SPIN partner	
Poster Session Moderation: M. Krzemieniewski					
14:30	14:35	0:05	The effectiveness of innovation equipment for mechanical pretreatment of biomass..	Krzemieniewski M., Zieliński M., Dębowski M	UWM
14:35	14:40	0:05	The efficiency of biogas production from algae biomass.	Dębowski M., Zieliński M., Krzemieniewski M., Gala A., Dudek M.	UWM
14:40	14:45	0:05	The influence of microwave radiation on methane fermentation process.	Zieliński M., Dębowski M., Krzemieniewski M., Dudek M., Gala A.	UWM
14:45	14:50	0:05	The effect of cosubstrate type on biogas production from dedicated energy crops	Klimiuk E., Pokój T.	
14:50	14:55	0:05	Pretreatment of plant biomass for hydrolysis enhancement in anaerobic digestion	Bernat K., Wojnowska-Baryła I.	
14:55	15:00	0:05	Biogas cleaning	Aranowski et al.	
15:00	15:05	0:05			
15:05	15:10	0:05			
15:10	15:15	0:05			
15:15	15:20	0:05	Numerical investigations of biomass gasification process	B. Zaporowski	PUT, Poznan
15:20	15:25	0:05	Simulation of biomass gasification - way to improve syngas quality	Bajer et al	WU Warsaw
15:25	15:30	0:05	Path to controllable and optimised syngas combustion	Bajer et al	WU Warsaw



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15:30	15:35	0:05			
15:35	15:40	0:05			
15:40	15:45	0:05			
15:45	15:50	0:05			
15:50	15:55	0:05			
15:55	16:00	0:05			
16:00	16:05	0:05			
16:10	16:40	0:40	Coffe Break/ Poster Presentation		
Part 4: Latest updates of scientific projects dealing with syngas.					
Moderation: Adam Cenian (BEEC)					
16:10	16:40	0:30	Gasification technologies	Ściążko Sobolewski Golec	ICHPW/IE
16:40	17:00	0:20	From waste to syngas - industrially applicable technology	Dudynski/Bajer	MTF/UW
17:00	17:20	0:20	Wood pirolises	Golec	IE
17:20	17:40	0:20	Waste product pirolises	NN	
Part 4: Joint Panel Discussion .					
Moderation: Adam Cenian (BEEC)/Janusz Gołaszewski(BEEC)/Ksawery Kuligowski(POMCERT)					
17:40	18:10	0:30	Reports from Sessions/ Concluding Discussion	Jan Kiciński	Director of IFFM
18:10	19:30	1:20	Final Reception		