Baltic Biogas Forum

Draft Agenda

Mariusz Radziszewski, Ministry of the Economy, *RES Act and support of biogas technologies in programs of the Polish Government* (tbc)

Jan Popczyk, Silesian University of Technology, *Autonomous Regions of Energy and development of agricultural biogas plants* (tbc)

Session 1:	**Methane fermentation and co-fermentation processes** **Session Chair: Irena Wojnowska-Baryła**
Irena Wojnowska – Baryła *University of Warmia and Mazury in Olsztyn -(UWM Olsztyn)*	Biogas production in fermentation and co-fermentation processes
Paweł Cyplik, Roman Marecik *Poznan University of Life Sciences*	Microflora and fermentation process efficiency
Beata Biega, Dominika Kufka, *University of Wrocław*	Isotope studies on the pathway of carbon and hydrogen in methane fermentation
Katarzyna Bernat *UWM Olsztyn*	Biogas productivity for co-fermentation of multi-component systems
Jacek Pelczar *Silesian University of Technology*	Changes of selected anions content in a methane fermentation container/chamber
Krzysztof Loska, Kamila Widziewicz *Silesian University of Technology*	Determination of selected metals content in substrates fermented in a container/chamber
Ireneusz Białobrzeski *UWM Olsztyn*	Optimization of methane fermentation process in agricultural biogas plants

Session 2:	**Biogas technologies and installations** **Session Chair: Mirosław Krzemieniewski**
Mirosław Krzemieniewski *UWM Olsztyn*	Demonstration agricultural biogas-plant installed in a teaching & research station in Bałdy
Tomasz Pokój, *UWM Olsztyn*	Pilot installation for biogas production - fermentation of substrates with different retention time
Jacek Palige, Katarzyna Wawryniuk, *Institute of Nuclear Chemistry and Technology in Warsaw*	Two-stage bioreactor for biogas production
Marcin Zieliński, *UWM Olsztyn*	Hybrid fermentation reactor heated by microwave radiation
Piotr Lampart *Institute of Fluid-Flow Machinery - Polish Academy of Sciences*	Co-generation systems – results of investigations
Dariusz Wiśniewski *UWM Olsztyn*	Installation for thermal treatment of digestate from biogas plant

Session 3	**Substrates for methane fermentation and utilization of digestate** **Session Chair: Marcin Dębowski**
Marcin Dębowski, *UWM Olsztyn*	Biomass from algae as an alternative substrate for biogas technologies
Henryk Burczyk *Institute of Natural Fibres, Poznań*	Biomass from annual energetic plants as a biogas source
Vilis Dubrovskis, Aleksandrs Adamovics, Vladimirs Kotelenecs, Imants Plume, Eduards Zabarovskis, *Latvia University of Agriculture*	Biogas production from various silage
Jacek Kwiatkowski , *UWM Olsztyn*	Production of biomass from sida hermafrodita as a substrate for agriculture biogas plant
Cezary Purwin *UWM Olsztyn*	Maintenance of biomass from sida hermafrodita harvested on different dates
Anna Karwowska, Janusz Gołaszewski, Kamila Żelazna *UWM Olsztyn*	Usefulness of Beta vulgaris L. as a substrate for an agricultural biogas plant
Jan Cebula, Łukasz Czok *Silesian University of Technology*	Methane fermentation of rape-seed cake as a substrate for biogas production in the agricultural micro-biogas plant Energa 20/PS
Waldemar Gostomczyk *Koszalin University of Technology*	Effectiveness of substrates used for biogas production
Stanisław Sienkiewicz	Use of fermentation residues of sida hermafrodita to fertilize the plant of sida.
Aleksandra Kołodziej	Processing and utilization of digestate mass from agriculture biogas plant

Session 4:	**Biogas technologies, manufacturers – use of biogas** **Session Chair: Jan Cebula**
Jan Cebula, Józef Sołtys, Dariusz Wereszczyński, *The Silesian University of Technology*	Removal of volatile sulfur compounds from biogas produced in the agricultural micro-biogas plant by using our own technology
Bjarne Paulsrund, *Aquateam – Norwegian Water Technology Centre*	Thermophilic anaerobic digestion – full scale operational data from Bekkelaget WWTP in Oslo
Andrzej Vogt, Marcin Łukaszewicz *Wrocław University of Technology*	Monitoring and process control of a biogas plant utilizing livestock manure and organic waste from agriculture and industry (tbc)
Energa Bio	(tbc)
Wojciech Łukaszek *Ekoenergia*	News in ELECTRA Technology
Michael Seiffert *DBFZ Deutsches Biomasseforschungszentrum*	Concepts for biomethane production
Barbara Smerkowska, *Automotive Industry Institute*	Perspectives of biogas use as biofuel in the transport sector in Poland

Session 5:	**The potential and strategies for the biogas market development** **Session Chair: Michał Jasiulewicz**
Michał Jasiulewicz *Koszalin University of Technology*	Potential for biogas plants development - as the nearest goal on the example of West Pomeranian Region
Anna Oniszk-Popławska, *Institute for Renewable Energy*	Economic viability of biogas plants (tbc)
Wojciech Łukaszek *Ekoenergia*	Investment and Scientific Program 'Rzędów'
Leszek Miazga *Regional Pomeranian Chamber of Commerce*	**ECOdialog** - biogas investments with regard to good practices and social dialogue
Piotr Kaliszczuk, *Edoradca Ltd*	**Ekoinkubator** - investments in renewable energy sources
WFOŚ	Programs for RES support (tbc)

POSTERS

Dominika Nowicka, Jan Cebula *Silesian University of Technology*	Energy potential of biogas produced by anaerobic digestion of rapeseed cake.
Jolanta Bohdziewicz, Krzysztof Piotrowski, Jan Cebula *Silesian University of Technology*	Kinetics of methane fermentation of rapeseed cake.
Michał Jasiulewicz *Koszalin University of Technology*	Profitability of biogas plant investments
Dariusz Kardaś *Institute of Fluid-Flow Machinery - Polish Academy of Sciences*	Process and product analysis of slow and fast pyrolysis of biomass
Maciej Klein *Institute of Fluid-Flow Machinery - Polish Academy of Sciences*	Technical and elemental analysis of biomass as a fuel