



PROGRAMME OF THE IV BALTIC BIOGAS FORUM

11 September 2014

8:15-9:00 Registration

Opening Session

9:00	<p>Wiesław Byczkowski, Marshal of the Pomeranian Region: <i>Bioenergy and intelligent specialization of Pomerania Region</i></p> <p>Jan Kiciński, Director of IMP PAN: <i>Bioenergy projects in The Szewalski Institute of Fluid-Flow Machinery, PAS</i></p>
9:30 Opening Lecture	<p>Janusz Gołaszewski: <i>A biogas plant in the biorafinery and bioeconomy context</i></p>
10:00	<p>Randy Mott: <i>Opportunities for biogas in the new polish support scheme</i></p>
I. Substrates (10:20 - 12:10)	
10:20	<p>Beata Szatkowska: <i>Evaluation of the organic waste biogas-potential in the Pomeranian Region</i></p>
10:35	<p>Kamil Witaszek, Jacek Dach, Damian Janczak, Wojciech Czekala, Andrzej Lewicki: <i>Utilisation of chosen biowaste from food industry by methane fermentation</i></p>
10:50	<p>Andrzej Lewicki, Jacek Dach, Damian Janczak, Wojciech Czekala, Pablo Cesar Rodrigues Carmona: <i>Management of the dairy industry waste materials by methane fermentation</i></p>
11:05	<p>Coffee break</p>
11:25	<p>Grzegorz Pieniążek: <i>Substrate differentiation for biogas production, leading to increase of efficiency and load of fermentation chamber in the case of biogas installation in Łagiewniki</i></p>
11:40	<p>Mariusz Stolarski, Michał Krzyżaniak, Malwina Śnieg: <i>Production of biomass from lignocellulosic crops as potential feedstock for biogas plants and energy generation industry</i></p>
11:55	<p>Jacek Kwiatkowski: <i>Characteristics of the Virginia fanpetals biomass as co-feedstock in a biogas plant</i></p>
II. Process (12:10 – 16:10)	
12:10 Plenary lecture:	<p>Guenter Busch: <i>Biogas from municipal, agricultural and industrial waste via dry and other innovative fermentation technologies</i></p>
12:40	<p>Maria Magdalena Estevez Rego: <i>Effective anaerobic digestion of fish waste, manure and lignocelluloses with and without digestate recirculation</i></p>
13:00	<p>Lunch break</p>



14:00	Kristofer Lorenz: <i>Biomethane from wastes in Sweden - production i application</i>
14:20	Anna Grala, Marcin Zieliński, Marcin Dębowski, Magdalena Rokicka, Karolina Kupczyk: <i>Methods for conditioning of lignocellulosic substrates used to improve efficacy of methane fermentation</i>
14:40	Andrzej Białowiec, Mariusz Siudak, Bogdan Jakubowski, Dariusz Wiśniewski: <i>Influence of leachate pre-treatment on amount and calorific value of biogas production in Periodic Anaerobic Bioreactor</i>
14:55	Jacek Wereszczaka: <i>Application of biotechnology in biomethane production and digestate utilisation</i>
15:10	Krzysztof Piotrowski, Jan Cebula, Jolanta Bohdziewicz, Anna Dudek: <i>Comparison of mathematical models concerning methane fermentation process of selected potato biomass wastes</i>
15:25	Andrzej Tonderski, Jan Hupka: <i>Methanisation of MSW organic fraction</i>
15:40	Robert Aranowski, Jan Hupka: <i>Microdigestion biogas plant in PODR Lubań</i>
15:55	Ruzena Svedelius: <i>Use of bioenergy and plant nutrients from human feces - recycling (RC) instead of water closet (WC)</i>
16:10	Coffee break
III. Digestate (16:30 - 17:30)	
16:30	Tadeusz Zimiński, Jacek Dach, Adam Cenian: <i>Hydrothermal lysis of digestate and its effects</i>
16:45	Dariusz Wiśniewski, Jakub Pulka, Andrzej Białowiec: <i>The properties of carbonized digestate from agricultural biogas plant</i>
17:00	Wioleta Radawiec, Janusz Gołaszewski: <i>Processes of the biodegradation of biochar from digestate in soil</i>
17:15	Katarzyna Pontus: <i>Digestate and its utilisation methods</i>
IV. Biogas upgrading and utilisation (17:30 - 18:45)	
17:30	Robert Aranowski, Jan Hupka: <i>Biogas-upgrading system applying SFR technique</i>
17:50	Jan Cebula, Józef Sołtys: <i>Efficiency of sulphur compounds removal - long-term studies of system applying modified mineral sorbent</i>
18:10	Piotr Lampart: <i>Gas/steam ORC systems for agricultural biogas plants</i>
18:30	Jacek Dach, Damian Janczak, Wojciech Czekala, Andrzej Lewicki, Kamil Witaszek: <i>Energy balance for biogas installation integrated with a greenhouse</i>
18:45	Dinner - buffet – personal interadctions



12 September

V. Thermal gasification technologies (9:00 - 10:00)

9:00	Jacek Kluska, Paweł Kazimierski, Łukasz Heda, Dariusz Kardaś: <i>RDF co-flow gasification</i>
9:20	Aleksander Sobolewski, Sławomir Stelmach, Tomasz Iluk, Mateusz Szul: <i>Start-up results of 1.5MW_t biomass gasification installation for piston engine based CHP unit</i>
9:40	Dariusz Wiśniewski, Janusz Piechocki, Andrzej Białowiec, Jakub Pulka, Mariusz Siudak, Bogdan Jakubowski, Bartosz Myślak: <i>Energetic development of hard-to-dispose-of farm and animal waste</i>

VI. Biogas potential and economy (10:00-12:10)

10:00	Waldemar Gostomczyk <i>Factors that shape economic efficiency of agricultural biogas production</i>
10:30	Izabela Samson - Bręk: <i>Life cycle assessment of electricity production from agricultural biogas on the example of selected biogas plant</i>
10:50	<i>Coffee break</i>
11:10	Wojciech Łukaszek: <i>Świątokrzyski Park RES – effect of business, science and local government cooperation. Energy Roadmap – Świątokrzyskie Region 2050</i>
11:30	Wojciech Łukaszek: <i>Biogas, EU energy giant (biomethane potential in Poland)</i>
11:50	<i>Discussion</i> <i>Closing remarks</i>
12:10	<i>Lunch</i>

VII. Posters

P.1	Tadeusz Noch: <i>Primary energy in co-generation systems</i>
P.2	Paulina Kosmela, Paweł Kazimierski: <i>Polyurethane PUR recycling technologies</i>

Sponsors:

