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European Union

International Conference

7-8th September - Konsert & Kongress, Linköping, Sweden

Biogas for the future: towards a sustainable and efficient supply chain

Programme

DAY 1 7th September

8:00 Registration opens (Gallery K)

Opening Session

Ground floor (Musiksalen)

08.45	Dr Annika Björn , Conference committee, Linköping University, Sweden Sam McCloskey , ATBEST coordinator, QUESTOR Centre, U.K. Vice Principal Roger Klinth , Linköping University, Sweden
09.20	<i>Dr Annika Björn, Linköping University, Sweden</i> <i>Chairman of the session</i> Prof. Willy Verstraete , Ghent University, Belgium <i>Anaerobic digestion as driver for societal progress in times of change</i>

10:15-10:45 Coffee break and Poster Session (Gallery K)

Session I: Feedstocks, Digestion and Process Monitoring

Ground floor (Musiksalen)

10:50	Prof. Jörgen Ejlertsson , Scandinavian Biogas Fuels AB, Sweden <i>Chairman introduction</i>
11:00	Himanshu , Teagasc - Agriculture and Food Development Authority, Ireland <i>Synergies from co-digestion of grass silage with other feedstocks</i>
11:20	Dr Francesco Ometto , Scandinavian Biogas Fuels AB, Sweden <i>Development of macroalgae as a substrate for biogas production</i>
11:40	Gabriele Mancini , University of Cassino and Southern Lazio, Italy <i>Anaerobic digestion of lignocellulosic materials pretreated by N-methylmorpholine N-oxide and organosolv techniques</i>
12:00	Markus Voelklein , University College Cork, Ireland <i>Sustainability and life cycle assessment of feedstock digestion systems</i>
12:30-13:45 <i>Lunch</i> <i>Networking opportunities and Poster Session</i>	
13:50	Prof. Anna Schnürer , Swedish University of Agricultural Sciences in Uppsala & Linköping University, Sweden <i>Chairman introduction</i>
14:00	Dr Raffaella Villa , Cranfield University, U.K. <i>Is there a future for enzymatic application in the waste sector?</i>
14:20	Pearl Nolan , Teagasc - Agriculture and Food Development Authority, Ireland <i>Grass silage for biogas: can specific methane yields be enhanced by fibrolytic enzyme additives applied at ensiling?</i>
14:40	Luka Šafarič , Linköping University, Sweden <i>Viscosity characteristics of CSTR biogas processes as affected by substrate composition</i>
15:00	Lotta Leven , Swedish Institute of Agricultural and Environmental Eng., Sweden <i>Microbial community structure in Swedish farm scale biogas plants - correlation to process operation and productivity</i>
15:20-15:45 <i>Coffee break and Poster Session (Gallery K)</i>	
15:50	Dr Beatrice Smyth , Queen's University Belfast, U.K. <i>Chairman introduction</i>
16:00	Dr Lovisa Björnsson , Lund University, Sweden <i>Arable land as carbon sink including carbon sequestration in biogas systems studies</i>
16:20	Robin Eccleston , Cologne University of Applied Sciences, Germany <i>Analysis of AD process by online spectroscopic UV/Vis, NIR and MIR measurement</i>
16:40	Paz Vilanova Plana , University of Duisburg-Essen, Germany <i>Digestate distribution for large biogas plants: storage and transport</i>
17:30-18:15 <i>Drinks Reception - sponsored by Scandinavian Biogas Fuels AB</i>	
18:15-23:00 <i>Conference dinner and Social Activities</i>	

Session II: Upgrading, Supply and Optimum Biogas Utilisation

First floor (Sonaten)

10:50	Simon Murray , QUESTOR Centre, U.K. <i>Chairman introduction</i>
11:00	Prof Raúl Muñoz , University of Valladolid, Spain <i>Overview of physical/chemical and biological technologies for biogas upgrading</i>
11:20	Keren Jenifer Rajavelu , University of Duisburg-Essen, Germany <i>Combined H₂S and CO₂ removal process for upgrading biogas</i>
11:40	Jing-Xiao Liang , Queen's University Belfast, U.K. <i>Novel technologies for integrated biogas separation and compression</i>
12:00	Martin Johansson , Scandinavian Biogas Stockholm, Sweden <i>Biogas upgrading: technical challenges of full scale units.</i>
<p>12:30-13:45 Lunch Networking opportunities and Poster Session</p>	
13:50	Dr Michael Eisinger , University of Duisburg – Essen, Germany <i>Chairman introduction</i>
14:00	Dr Christian Wolf , Bergische Waste Management Association, Germany <i>Waste to energy: landfill gas and biogas</i>
14:20	Andreina Laera , University of Paris- Est Marne-la-Vallée, France <i>Valorisation of digestate as amendment for soils</i>
14:40	Rawan Hakawati , Queen's University Belfast, U.K. <i>Applications of biogas in chemical energy and liquid fuel production</i>
15:00	Nikoletta Giantsiou , University of Duisburg-Essen, Germany <i>Surplus electricity to biogas via hydrogen.</i>
<p>15:20-15:45 Coffee break and Poster Session (Gallery K)</p>	
15:50	Prof. Stefan Anderberg , Linköping University, Sweden <i>Chairman introduction</i>
16:00	Fabio De Rosa , Queen's University Belfast, U.K. <i>Micro-reforming of biogas for micro-combined heat and power generation</i>
16:20	Christian Jenne , University of Duisburg-Essen, Germany <i>Biogas distribution concepts for the transportation sector.</i>
16:40	William McMaw , Queen's University Belfast, U.K. <i>Laboratory setup of a single cylinder diesel dual fuel engine</i>
<p>17:30-18:15 Drinks Reception - sponsored by Scandinavian Biogas Fuels AB</p>	
<p>18:15-23:00 Conference dinner and Social Activities</p>	

DAY 2 8th September

8:00 Registration opens (Gallery K)

Opening Session

Ground floor (Musiksalen)

8.45	Dr Francesco Ometto , Conference committee, Scandinavian Biogas Fuels, Sweden <i>Chairman of the session</i>
	Helena Balthammar , Mayor, Linköping Municipality, Sweden
9:00	Prof Björn-Ola Linnér , Linköping University, Sweden <i>Biogas and environmental change</i>
9:20	Prof. Jerry Murphy , University College Cork, Ireland <i>ATBEST contribution to the biogas market: ATBEST achievements</i>
9:40	Susanna Pflüger , European Biogas Association (EBA) <i>The influence of EU policies on the biogas sector</i>

10:15-10:45 Coffee break and Poster Session (Gallery K)

Industrial Workshop

"How to integrate biogas into energy networks?"

Ground floor (Musiksalen)

10:50	Dr Arthur Wellinger , past-President of the European Biogas Association <i>Workshop introduction, panel discussion and open questions</i>
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12:30-13:45

Lunch

Networking opportunities and Poster Session

Biogas Transports Show Room

Session III: Sustainable Investments

Ground floor (Musiksalen)

13:50	Prof. Mats Eklund , Director of the Biogas Research Centre, Sweden <i>Chairman introduction</i>
14:00	Rebeca Ehrnrooth , Equilibrium Capital, U.K. <i>Opening the anaerobic biodigester market to institutional capital</i>
14:20	Matti Vikkula , CEO at Scandinavian Biogas International, Sweden <i>Biogas production in the future</i>
14:40	Per-Inge Kruse , Westport, Sweden <i>Opportunities for methane as a transportation fuel</i>
15:00	Urban Löfvenberg , SCANIA, Sweden <i>Biogas for clean and energy efficient transport of people and goods</i>

Closing Session

Ground floor (Musiksalen)

15:20	Poster award notification
15:25	Acknowledgments
15:30	Closure

*15:30-16:15 Closing Coffee break and Poster Session (Gallery K)
Biogas Transports Show Room*