



Workshop on the use of lignocellulosic biomass

PROGRAM

The objective of this workshop is to exchange ideas and experience regarding the characterization, processing of lignocellulosic biomass, and of lignin. Lignin in natural lignocellulosic biomass plays multiple roles in the biorefinery industry. It is a barrier to biochemical conversion, an important material in the thermal biorefinery process, and also a high value product. The workshop will provide a forum for transfer of knowledge and methods among researchers working from these differing perspectives, and will contribute to a better understanding of the role of lignin in the biorefinery field.

Additionally, the workshop will provide the participants with an opportunity to network and thereby develop ideas for joint research proposals to relevant funding bodies. Susanne Kjelstrup from TEK Innovation at the Faculty of Engineering will present relevant funding opportunities and will support participants interested in developing joint research proposals.

Please see biochain.dk and biocap.dk for a list of BioChain and BioCap partners.

Coffee and tea will be provided during breaks and sandwiches will be provided for lunch.

Date: Tuesday the 26th of January 2016, 9:00 – 15:30.

Venue: Odense Adelige Jomfru Kloster, Albani Torv 6, 5000 Odense

Professor, Sven G. Sommer
Tel.: +45 6550 7359
Mobile: +45 2778 7359
E-mail: sgs@kbm.sdu.dk
Campusvej 55, DK-5230
Odense M, Denmark
University of Southern Denmark

Program (Presentation up to 20 minutes leaving at least 5 minutes for discussion)

		Speaker
9:00-9:15	Arrival and coffee/tea	
9:15-9:20	Welcome	<i>Sven G. Sommer, University of Southern Denmark</i>
9:20-9:45	The electrons of lignin –Why lignin at the same time is extremely reactive and extremely recalcitrant	<i>Claus Felby, University of Copenhagen</i>
9:45-10:10	Isolation and characterization of lignin from hardwood and softwood biomass by a hybrid organosolv pretreatment method	<i>Ulrika Rova, Prof Paul Christakopoulos, Dr Christos Nitsos, Luleå University of Technology</i>
10:10-10:35	Lignin characterization techniques at KU and their importance when developing a bio-oil	<i>Anders Jensen and Yohanna Cabrera, University of Copenhagen</i>
10:35-10:50	Refreshment	
10:50-11:15	Catalytic liquefaction of lignin to value-added chemicals	<i>Soheila Ghafarnejad Parto, Technical University of Denmark</i>
11:30-11:55	Biogas production from lignocellulosic biomass: conclusions from 10 years research on pretreatment of lignocellulosic substrates	<i>Ilona Sárvári Horváth, the Swedish Centre for Resource Recovery, University of Borås</i>
11:55-12:20	Thermophilic aerobic digestion as a treatment for anaerobic digestion	<i>Charlotte Rennuit, University of Southern Denmark</i>
12:20-13:00	Lunch	
13:00-13:25	Refining lignocellulosic biomass through sugar platform versus syngas platform	<i>Jin Mi Triolo, University of Southern Denmark</i>
13:25-13:50	Pilot scale hydrothermal conversion methods for lignin and lignocellulosic biomass	<i>Ib Johannsen, University of Aarhus</i>
13:50-14:15	'Aspects of overall system efficiency of lignocellulosic biomass conversion in a renewable energy framework'	<i>Henrik Wenzel, University of Southern Denmark</i>
14:15-14:40	Coffee/tea break	
14:40-15:00	Presentation of funding opportunities	<i>Susanne Kjelstrup, University of Southern Denmark</i>
15:00-15:30	Ideas for new project proposals	<i>Susanne Kjelstrup, University of Southern Denmark</i>

Addresses of Participants:

Professor Claus Felby	Biomass & Bioenergy University of Copenhagen Faculty of Science, Forest, Nature & Biomass, Rolighedsvej 23, 1958 Frederiksberg C, Denmark Tel: +45 35321695, Mobil: +45 40898932 Email: cf@ign.ku.dk
Chief developer Alan Lunde	Maabjerg Energy Concept (MEC) Nupark 51, DK-7500 Holstebro, Denmark Tel: +45 9612 7300 Fax +45 9612 7301 E-mail: alu@vestforsyning.dk
Phd studerende: Demi Tristan Djajadi	BIOENG DTU Chemical Engineering Technical University of Denmark Department of Chemical and Biochemical Engineering Søltofts Plads Building 229 2800 Kgs. Lyngby Denmark E-mail: dtdj@kt.dtu.dk
Henning Jørgensen	Senior Researcher BIOENG DTU Chemical Engineering Technical University of Denmark Department of Chemical and Biochemical Engineering Søltofts Plads Building 229 2800 Kgs. Lyngby Denmark Direct +45 45252610 Mobile +45 30298468 E-mail: hejr@kt.dtu.dk
Associate Professor Ib Johansen	Head of Biovalue Competence Center - Conversion, Aarhus University Department of Engineering, Hangovej 2, Building 5250, Room 2.22, 8200 Aarhus N, Denmark Tel.: +45 21356050 E-mail: Ibj@eng.au.dk
PhD student, Bjørn Sjøgren Kiilsgaard	Biovalue Competence Center Conversion, Department of Engineering Aarhus University Hangovej 2, Building 5250, Room 2.22, 8200 Aarhus N, Denmark E-mail: bsk@eng.au.dk
Bioenergiechef Michael Støckler	Planteproduktion SEGES, Agro Food Park 15, Skejby, DK 8200, Aarhus N www.vfl.dk Tel.: +45 8740 5408 (direkte) Mobile: +45 2029 1769 E-mail: MCS@seges.dk
PhD student Charlotte Rennuit	University of Southern Denmark (SDU) Faculty of Engineering

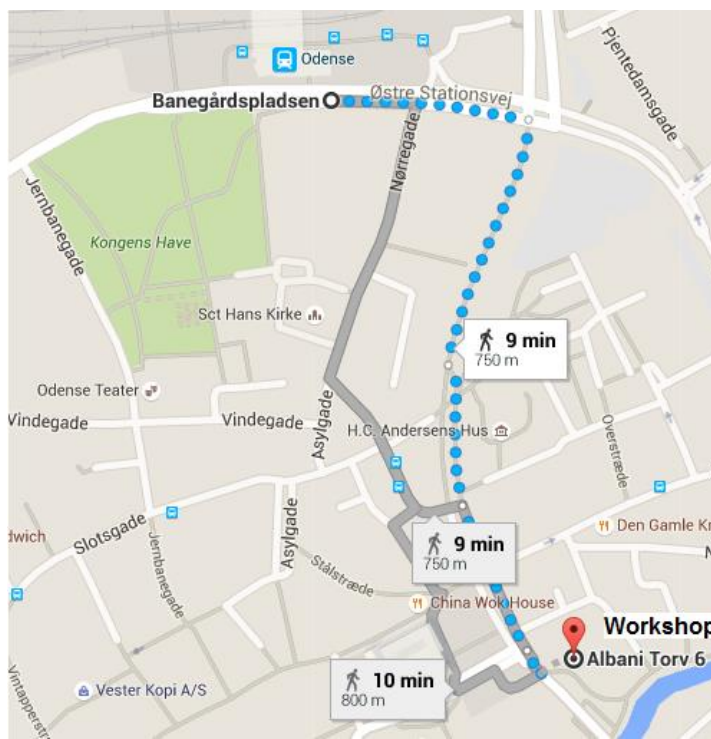
	Inst. of Chemical Eng., Biotechnology and Environmental Tech. Campusvej 55, 5230 Odense M, Denmark Phone: +45 65509216 E-mail: cre@kbn.sdu.dk
PhD student Soheila Ghafarnejad Parto	Technical University of Denmark Department of Management Engineering Production and Service Management Building: 424, 111, Anker Engelunds Vej 1 2800 Kgs. Lyngby, Denmark E-mail: sohg@kt.dtu.dk
Driftsleder Annemarie Gotfredsen	Fredericia Spildevand A/S Røde banke 16 7000 Fredericia, Denmark Phone +45 7620 7130 E-mail: ag@frse.dk
Postdoc Yohanna Cabrera	Biomass & Bioenergy, University of Copenhagen, Faculty of Science, Forest, Nature & Biomass, Rolighedsvej 23, 1958 Frederiksberg C, Denmark E-mail: ag@frse.dk
PhD student Anders Jensen	Biomass & Bioenergy, University of Copenhagen, Faculty of Science, Forest, Nature & Biomass, Rolighedsvej 23, 1958 Frederiksberg C, Denmark E-mail: ajen@ign.ku.dk
Senior Researcher. Alessio Boldrin	Technical University of Denmark - Department of Environmental Engineering Miljoevej, Building 113 2800 Kgs. Lyngby, Denmark E-mail: aleb@env.dtu.dk
PhD student Temesgen Mathewos Fitamo	Technical University of Denmark (DTU-E) Department of Environmental Engineering Miljoevej, Building 113 2800 Kgs. Lyngby, Denmark Phone: +45 45251576 E-mail: tefi@env.dtu.dk
Professor Ulrika Rova,	Biochemical Process Engineering Luleå University of Technology SE-971 87 Luleå _Sweden Phone: +46 920491315 E-mail: Ulrika.Rova@ltu.se
Professor Paul Christakopoulos	Biochemical Process Engineering Luleå University of Technology SE-971 87 Luleå _Sweden E-mail: paul.christakopoulos@ltu.se
PhD Christos Nitsos	Biochemical Process Engineering Luleå University of Technology SE-971 87 Luleå _Sweden E-mail: christos.nitsos@ltu.se
Associate professor Ilona Sárvári Horváth	The Swedish Centre for Resource Recovery University of Borås Mobile: 0709 686433 E-mail: ilona.horvath@hb.se
Ola Wallberg	Vattenförsörjnings- och avloppsteknik Institutionen för Kemiteknik Lunds universitet Box 124 221 00 LUND, Sweden
Dr. Mats Galbe	Lund University

	Dept. Chemical Engineering P.O. Box 124 SE-221 00 Lund Sweden Phone: +4646 2228299 E-mail: mats.galbe@chemeng.lth.se
Assistant Professor Jin Mi Triolo	University of Southern Denmark (SDU) Faculty of Engineering Inst. of Chemical Eng., Biotechnology and Environmental Tech. Campusvej 55, 5230 Odense M, Denmark Phone: +45 3179 4600 E-mail: jmt@kbm.sdu.dk
Research Scientist Owik Matthias Herold-Majumdar	Novozymes A/S E-mail: omh@novozymes.com
Professor Henrik Wenzel,	University of Southern Denmark, Faculty of Engineering Dep. of Chemical Eng., Biotechnology and Environmental Tech. Campusvej 55, DK-5230 Odense M, Denmark Tel.+45 65507374 Mobile +45 27787374 E-mail: henrik.wenzel@kbm.sdu.dk
Funding Advisor Susanne Kjelstrup	TEK Innovation, Faculty of Engineering Campusvej 55, 5230 Odense, Denmark Phone +45 6550 7141 Mobil +45 9350 7020, E-mail: sukj@tek.sdu.dk .
Associate Professor Massimiliano Errico	University of Southern Denmark, Faculty of Engineering Dep. of Chemical Eng., Biotechnology and Environmental Tech. Campusvej 55, DK-5230 Odense M, Denmark Tel. +45 6550 7482 Email maer@kbm.sdu.dk

How to Get to the Venue (Adelige Jomfru Kloster, Albani Torv 6, 5000 Odense)

From Odense 9 min on foot

→ Head east on
Nørregade (190 m),
Thriges. Gd.
toward Thomas B.
→ Continue onto
(150m), →
(26m).



central station (750meters,

Østre Stationsvej toward
→ Turn right at Thomas B.
(250m), → Slight left
Thriges Gd. (130),
Thomas B. Thriges Gd.
Continue onto Albanigade

