

Fax to ++49(0)541|9633-990

Registration: »Biorefinica 2009«

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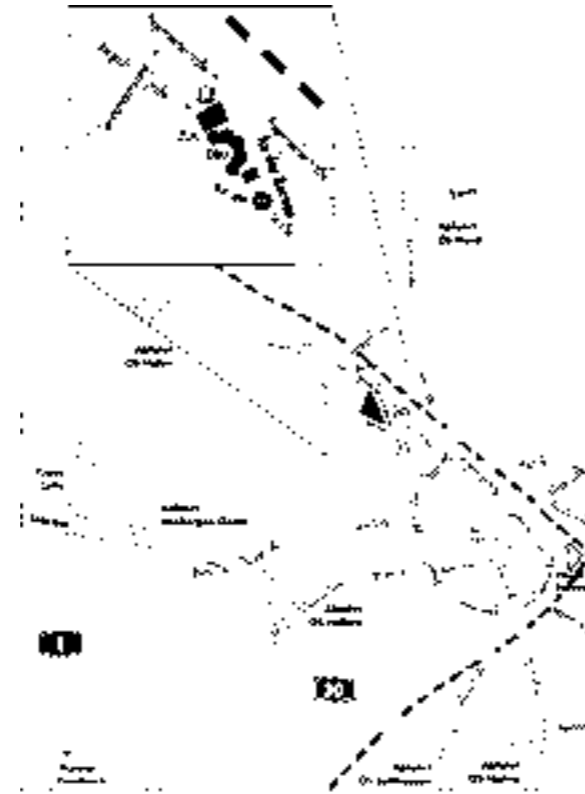
name
first name
affiliation
address
phone
e-mail

Please return this form as binding registration by fax soonest possible but not later than

15 Dec 2008

to Nina Weichselfelder, Zentrum für Umweltkommunikation der Deutschen Bundesstiftung Umwelt gGmbH, ZUK, Fax ++49(0)541|9633-990. Please contact us by e-mail (n.weichselfelder@dbu.de) in case you have any queries.

The number of participants attending this conference is limited. You will obtain an invoice confirming your participation. Please transfer the conference fee to the account stated in the invoice. Furthermore we point out that the fee is due in full amount, if you fail to cancel your registration in writing before 20 Jan 2009.



Conference venue:

Zentrum für Umweltkommunikation der Deutschen Bundesstiftung Umwelt gGmbH, An der Bornau 2, 49090 Osnabrück.

How to find us:

By train and bus: Arriving at Osnabrück main station, take bus 31/33, 81/82 or 91/92 from bus platform 1 (every few minutes) to »Neumarkt«. There, go to platform A2 and take bus 11/R11 (every 10 minutes) to bus stop »Umweltstiftung« or bus 21 (every 20 minutes) to »Sedanplatz« (travel time about 20 minutes). Current information at: <http://www.stadtwerke-osnabrueck.de/>.

By car: Osnabrück is conveniently reachable from the Ruhr area and the North German cities on the Autobahn A 1; from the Netherlands and from direction Hanover on the A 30, respectively. From direction Bielefeld, you get here on the highway A 33. See also: <http://www.dbu.de/anreise>.

By plane via Airport FMO (Münster/Osnabrück): At FMO a regular bus-shuttle-service (X 150) is available; schedule at <http://www.fmo.de>. The trip takes around 40 minutes and terminates at Osnabrück main station.

Accommodation:

Travel and accommodation expenses are payable by the participants. Please book hotel rooms on your own. Rooms are available at special rates (breakfast inclusive, except Hotel Remarque, breakfast buffet additional € 16.00/person). Reference: Biorefinica.

Steigenberger Hotel Remarque, Natruper Torwall 1, 49076 Osnabrück
++49(0)541|6096-604 89.00 €/single room

Hotel Welp, Natruper Str. 227, 49090 Osnabrück,
++49(0)541|91307-0 55.00 €/single room

advena hotel hohenzollern, Theodor-Heuss-Platz 5, 49074 Osnabrück
++49(0)541|3317-0 76.00 €/single room

Dom-Hotel, Kleine Domsfreiheit 5, 49074 Osnabrück
++49(0)541|35835-0 69.00 €/single room

See also: <http://www.osnabruecker-land.de>

Conference fees:

The conference fee amounts to € 150.00 for university representatives and to € 250.00 for industry representatives, respectively, containing € 46.00 incl. 19 % VAT each for food and beverage, which is levied on behalf of the company Food Et Event, Osnabrück. Thus, a tax-free flat rate of € 104.00 is part of the conference fee for university representatives and of € 204.00 for industry representatives, respectively.

Registration:

By fax to ++49(0)541|9633-990

Deadline: 15 Dec 2008

Cancellation:

Cancellations free of charge are possible before 20 Jan 2009. Thereafter the fee is due in full amount. Only written cancellations will be accepted.

Biorefinica 2009



Biobased products and biorefineries

Promoted by the DBU, the meanwhile fourth international Biorefinica will take place on 27 - 28 January 2009. Guiding theme of the event is the conversion to biomass for the chemical industry with which especially also the use of non food material is considered. The high functionalisation degree of renewable primary products necessitates new synthesis and processing strategies.

The Biorefinica 2009 is the platform to discuss concrete practice examples, industrial applications and the economic viability of the procedures. One additional topic in the focus of attention is the evaluation and balancing of sustainability. On basis of such a balancing, different conversion procedures are compared and assessed.

Programme Committee

Prof. Bruce Dale, PhD, Michigan State University, USA

Dr. Rainer Erb, ZUK, Osnabrück

Dr. Maximilian Hempel, DBU, Osnabrück

Prof. Dr. Thomas Hirth, Fraunhofer IGB, Stuttgart, and IGVT, Universität Stuttgart

Prof. Dr. Birgit Kamm, biopos e. V., Teltow-Seehof, and BTU Cottbus

Prof. Dr. Wolfram Koch, Gesellschaft Deutscher Chemiker e. V., Frankfurt/Main

Dr. Jochen Michels, Dechema e. V., Frankfurt/Main

Dr. Dietmar Peters, Agency for Renewable Resources, Gülzow

Dr. Jörg Rothermel, German Chemical Industry Association, Frankfurt/Main

Prof. Dr. Johan Sanders, Wageningen University, The Netherlands

Prof. Dr. Wim Soetaert, Ghent University, Belgium

Prof. Dr. Walter Trösch, Fraunhofer IGB, Stuttgart

Prof. Dr. Roland Ulber, TU Kaiserslautern

Dr. Kurt Wagemann, Dechema e. V., Frankfurt/Main

Tuesday, January 27, 2009

09:00 **Opening**
Prof. Dr. Werner Wahmhoff, DBU, Osnabrück, Germany
Dr. Günther Jikeli, Federal Ministry of Food, Agriculture and Consumer Protection, Berlin, Germany
Dr. Uwe Lahl, Federal Ministry for the Environment, Nature Conservation and Nuclear Safety, Berlin, Germany

Session 1: Platform chemicals and product lines

Chair: Prof. Dr. Thomas Hirth, Fraunhofer IGB, Stuttgart, and IGVT, University Stuttgart, Germany

09:30 **Catalysis – a tool for efficient conversion of renewables**
Prof. Dr. Matthias Beller, Leibniz Institute for Catalysis, Rostock, Germany

10:00 **Pilot plant for the utilization of agricultural starchy raw materials**
Joachim Venus, Leibniz-Institute for Agricultural Engineering Potsdam-Bornim, Germany

10:30 **Coffee break**

11:00 **Fast pyrolysis of lignocellulosic biomass – a versatile tool for making chemicals**
Dr. Dietrich Meier, Institute for Wood Technology and Wood Biology, Hamburg, Germany

11:30 **Transformation of lignocellulose into aromatic building blocks**
Rainer Schweppe, Fraunhofer ICT, Pfinztal, Germany

Session 2: Industrial chemicals from waste materials and by-products

Chair: Prof. Dr. Roland Ulber, TU Kaiserslautern, Germany

12:00 **Industrial chemicals from waste materials and by-products**
Prof. Dr. Christoph Syldatk, University Karlsruhe, Germany

12:30 **Microbial and biocatalytic production of advanced functional polymers**
Prof. Costas Kiparissides, Centre for Research & Technology Hellas, Greece

13:00 **Lunch break**

14:00 **Supercritical water gasification of biomass residues**
Christina Ceccarelli, Forschungszentrum Karlsruhe, Germany

14:30 **Xylite production from draff**
Melanie Schmidt, TU Kaiserslautern, Germany

15:00 **Coffee break / Poster session**

Session 3: Successful economic activities based on renewable resources

Chair: Dr. Jörg Rothermel, German Chemical Industry Association, Frankfurt/Main, Germany

15:30 **Biomass conversion into low-cost and sustainable chemicals**
Dr. Stephan Freyer, BASF AG, Ludwigshafen, Germany

16:00 **Furanics: versatile molecules applicable for biofuels and biopolymers**
Ed de Jong, Avantium Technologies BV, Amsterdam, The Netherlands

16:30 **Lubricants based on renewable raw materials**
Rolf Luther, FUCHS Europe Schmierstoffe GmbH, Mannheim, Germany

17:00 **Case study – a new starch-based biorefinery**
Dr. Karin Bronnenmeier, Linde-KCA-Dresden GmbH, Germany

17:30 **End of day I**

19:30 **Convivial evening**
(Hausbrauerei »Rampendahl«, on own expenses)

Wednesday, January 28, 2009

Session 4: Sustainability assessment

Chair: Dr. Maximilian Hempel, DBU, Osnabrück, Germany

09:00 **Securing sustainability of biomass supplies: impact assessments and certification**
Jinke van Dam, Utrecht University, The Netherlands

09:30 **Renewable resources – a contribution towards sustainability?**
Dr. Hans-Jürgen Klüppel, Düsseldorf, Germany

10:00 **Coffee break / Poster session**

10:30 **Judging renewables-based products – LCA in practice**
Dr. Dana Kralisch, Friedrich Schiller University of Jena, Germany

11:00 **Techno-economic and ecological evaluation of a wood biorefinery**
Martina Haase, University Karlsruhe, Germany

Session 5: International examples for industrial biorefineries

Chair: Prof. Dr. Birgit Kamm, biopos e. V., Teltow-Seehof, and BTU Cottbus, Germany

11:30 **Biofuels, land use change and greenhouse gas emissions: some unexplored variables**
Prof. Ph. D. Bruce Dale, Michigan State University, USA

12:00 **Development of integrated lignocellulose biorefinery for co-production of chemicals, transportation fuels, electricity and heat**
Hans Reith, ECN Energy research Centre of the Netherlands, Petten, The Netherlands

12:30 **Lunch break**

13:30 **Furfural obtained from pentoses – a valuable synthon for fine chemistry**
Norbert Hoffmann, Université de Reims Champagne Ardenne, France

14:00 **The biorefinery challenge – Süd-Chemie's sustainable system solutions**
Dr. Frank M. Bohnen, Süd-Chemie AG, München, Germany

Session 6: Microalgae and other marine resources for sustainable chemistry

Chair: Prof. Dr. Walter Trösch, Fraunhofer IGB, Stuttgart, Germany

14:30 **Microalgae for sustainable production of fuels and chemicals**
Prof. Dr. h.c. Yusuf Chisti, PhD, Massey University, Palmerston North, New Zealand

15:00 **Coffee break**

15:15 **Enzymes from marine microorganisms for applications in white biotechnology**
Dr.-Ing. Kai Muffler, TU Kaiserslautern, Germany

15:45 **Energy efficiency and economics of the production of microalgae biomass with a flat panel-airlift-photobioreactor**
Dr. Peter Ripplinger, Subitec GmbH, Stuttgart, Germany

16:15 **Microalgae – a sustainable renewable resource for fine chemicals, food components and energy**
Dr. Ulrike Schmid-Staiger, Fraunhofer IGB, Stuttgart, Germany

16:45 **Closing remarks**