

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

Registration: »Biorefinica 2006«

please fill in:

| |
|-------------|
| name |
| first name |
| affiliation |
| |
| address |
| |
| |
| phone |
| e-mail |

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

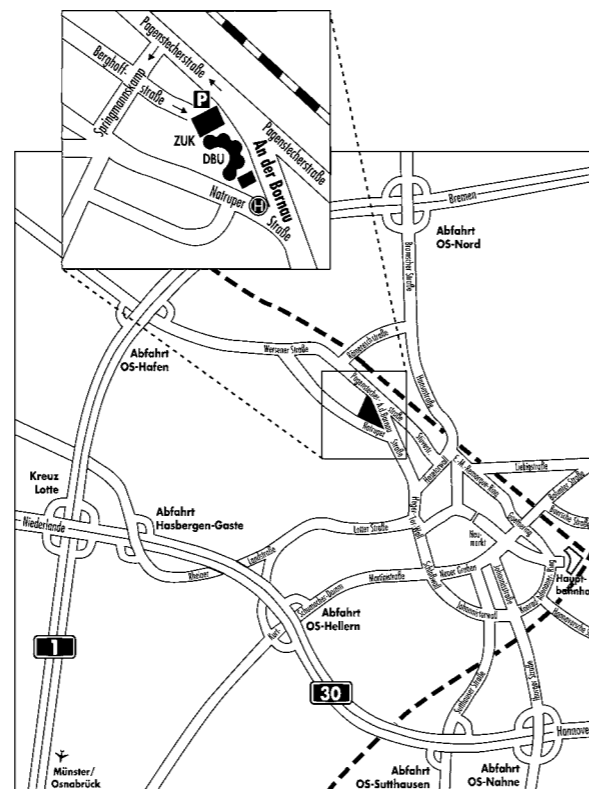
15 Sep 2006

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

Since the number of participants attending this conference is limited, you will get a separate confirmation and invoice. 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 4 Oct 2006.

Please mark with across:
Presentation of poster

Presentation of exhibit.....m²



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 11/12/13 (every 10 minutes) or bus 21 (every 20 minutes) to bus stop »Umweltstiftung« (travel time about 20 minutes).

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 € 14.50/person). Reference: Biorefinica.

Hotel Walhalla, Bierstraße 1, 49074 Osnabrück,
++49(0)541|3491-0 72.00 €/single room

Steigenberger Hotel Remarque, Natrupe Torwall 1,
49076 Osnabrück
++49(0)541|6096-604 94.00 €/single room

Hotel Welp, Natrupe Str. 227, 49090 Osnabrück,
++49(0)541|91307-0 53.00 €/single room

Dom-Hotel, Kleine Domsfreiheit 5, 49074 Osnabrück
++49(0)541|35835-0 64.00 €/single room

advena hotel hohenzollern, Theodor-Heuss-Platz 5,
49074 Osnabrück
++49(0)541|3317-0 72.00 €/single room

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

Conference fees:

The conference fee amounts to € 150.00 for university representatives and to 200.00 € for industry representatives, respectively, containing € 40.00 incl. 16% 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 € 110.00 is part of the conference fee for university representatives and of € 160.00 for industry representatives, respectively.

Registration:

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

Deadline: 15 Sep 2006

Cancellation:

Cancellations free of charge are possible before 4 Oct 2006. Thereafter the fee is due in full amount. Only written cancellations will be accepted.

Biorefinica 2006



Biobased products and biorefineries

The preservation and management of our diverse resources are fundamental to promote sustainable development in the 21st century. Sustainable economical growth requires safe and sustainable resources for industrial production, a long term and confident investment and finance system, ecological safety, and sustainable life and work perspectives for the public. The availability of fossil resources is more than questionable in the longterm. Because of the increasing price of fossil resources, moreover, the feasibility of their utilization is declining.

Biorefineries transfer the petroleum refineries functionality, the efficiency of chemical and substance-converting industry as well as the approved alliance with small- and medium-sized producers of intermediates and final products onto biomass. Today's biorefinery technologies are based (1) on the utilization of the whole plant or complex biomass and (2) on integration of traditional and modern processes for utilization of biological raw materials.

- The goal of the symposium is to give an overview of recent national and international biorefinery activities, incl. the 7th research framework programme of the European Commission
- to activate an exchange of information about international, national and regional industrial biomass activities
- to present current biorefinery concepts, technologies and products and
- to discuss the role of SMEs within the concepts of biomass economy and biorefineries.

Programme Committee:

Dr. Rainer Busch, Dow Deutschland Anlagengesellschaft mbH
Prof. Dr. Dr. Dr. h. c. Müfit Bahadır, TU Braunschweig
Prof. Bruce Dale, Ph. D., Michigan State University
JD Dianna Derhak, BioVision World Life Sciences Forum
Dr. Stephan Freyer, BASF AG
Prof. Dr. Heindirk tom Dieck, German Chemical Society
Dr. Maximilian Hempel, Deutsche Bundesstiftung Umwelt
Prof. Dr. Thomas Hirth, FHG-ICT
Hon.-Prof. Dr. Birgit Kamm, biopos e. V. and BTU Cottbus
Prof. Dr. Roland Meyer-Pittroff, TU Munich
Dr. Stefan Nordhoff, Degussa AG
Prof. Dr. Wladimir Reschetilowski, TU Dresden
Prof. Dr. Johan Sanders, Wageningen University

Wednesday, October 11, 2006

09:00 Greetings

Chair: *Dr. Maximilian Hempel*, Deutsche Bundesstiftung Umwelt (DBU, German environmental foundation)
Prof. Dr. Werner Wahmhoff, Deutsche Bundesstiftung Umwelt, Osnabrück, Germany
Dr. Andreas Schütte, Agency for Renewable Resources, Gülzow, Germany
Prof. Dr. Wolfram Koch, German Chemical Society, Frankfurt/Main, Germany
Dr. Jörg Roethermel, German Chemical Industry Association, Frankfurt/Main, Germany
Dr. Kurt Wagemann, DECHEMA e. V., Frankfurt/Main, Germany

09:50 Coffee break and press window I

10.15 - 13.15 Plenary lectures I

Chair: *Prof. Dr. Dr. Dr. h. c. Müfit Bahadır*, Technical University of Braunschweig, Germany

10:15 Biorefinery strategies of the European Commission

Dr. Christian Patermann, European Commission, DG Research, Brussels, Belgium

10:45 Biorefinery strategies in the United States

Brent Erickson, Biotechnology Industry Organization (BIO), Washington D. C., USA

11:15 Biomass refining global impact – The biobased economy of the 21st century

Prof. Bruce E. Dale, Ph. D., Michigan State University, USA

11:45 Potentials of biomass

Prof. Dr. Martin Kaltschmitt, Institute for Energy and Environment gGmbH, Leipzig, Germany

12:15 New developments in biorefinery technologies and systems

Hon.-Prof. Dr. Birgit Kamm, biopos Research Institute Bioactive Polymer Systems e. V. and BTU Cottbus, Teltow-Seehof, Germany

12:45 Discussion to the plenary lectures I

13:15 Lunch break

14:15 Opening of poster session I

Chair: *Prof. Dr. Bernd Ondruschka*, Friedrich-Schiller-University, Jena, Germany

Press window II

14.45 - 16.15 Session I

The biobased economy of the 21st century – Visions, strategies and new architectures for implementation of bioindustries and biorefineries

Chair: *Prof. Dr. Roland Meyer-Pittroff*, Technical University Munich, Germany

14:45 Vision and roadmap of the BioVision - World Life Sciences Forum

JD Dianna Derhak, BioVision - World Life Sciences Forum, Lyon, France

15:05 Future raw materials in chemical industry

Dr. Stefan Nordhoff, Degussa AG, Marl, Germany

15:25 The biorefinery concept in a developing country context

Dr. Jan Gajowski, United Nations Industrial Development Organisation (UNIDO), Vienna, Austria

15:45 Discussion to session I

16:15 Coffee break, poster session II

16.45 - 18.15 Session II Establishment of biorefinery development centres – Some examples

Chair: *Prof. Bruce E. Dale, Ph. D.*, Michigan State University, USA

16:45 The Alberta biorefinery research and development centre

Doug Cornell, Airdrie Agriculture Centre, Alberta, Canada

17:05 Scientific Centre Straubing (Bavaria) – An example for a new architecture for the biorefinery development

Prof. Dr.-Ing. Martin Faulstich and *Dr. Doris Schieder*, Technical University Munich, Germany

17:25 Dutch knowledge network on biorefineries

Drs.ing. René van Ree, Energy Research Centre (ECN) of the Netherlands, Petten, and *Dr. Ed de Jong*, Wageningen University and Research Centre (WUR), The Netherlands

17:45 Discussion to session II

18:15 End of day I

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

Thursday, October 12, 2006

09.00 - 10.15 Plenary lectures II

Chair: *Prof. Dr. Mathias Ulbricht*, University Duisburg-Essen, Germany

09:00 Biorefinery – The bridge between agriculture and chemistry

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

09:30 Process synthesis as a tool for renewable resources

Prof. Dr. Michael Narodoslawsky, Technical University of Graz, Austria

10:00 Discussion to plenary lectures II

10:15 Coffee break, poster session III

10.45 - 12.45 Session III

Industrial chemicals from biomass

Chair: *Prof. Dr. Udo Kragl*, University of Rostock, Germany

10:45 Green chemistry and the biorefinery topic

Prof. Dr. Wladimir Reschetilowski, TU Dresden, Germany

11:05 Plastics based on renewables

Dr. Dietrich Scherzer, BASF AG, Ludwigshafen, Germany

11:25 Natural polymers

Dr. habil. Hans-Peter Fink, Fraunhofer IAP, Potsdam-Golm, Germany

11:45 Evaluation of raw materials, technologies and platform chemicals for biobased industrial products

Dr. Rainer Busch, Dow Deutschland Anlagengesellschaft mbH, Rheinmünster, Germany, and *Prof. Dr. Thomas Hirth*, Fraunhofer ICT, Pfinztal, Germany

12:05 Thermochemical biomass based refinery process: Technological status and perspectives

Ir. Robin W. R. Zwart, Energy Research Centre (ECN) of the Netherlands, Petten, The Netherlands

12:25 Discussion to session III

12:45 Lunch break, poster session IV

13.45 - 15.25 Session IV Biobased products and technologies – A chance for technology-oriented small and medium-sized enterprises (SMEs)

Chair: *Dr.-Ing. Görgo Deerberg*, FhG UMSICHT, Oberhausen, Germany

13:45 Polymer additive based on renewable resources

Dr. Jürgen Hauk, Baerlocher GmbH, Unterschleissheim, Germany

14:05 Polymer-processing from the view of a SME

Dr. Ralf Bauer, Smart Fibre AG, Rudolstadt, Germany

14:25 Calendula oil as a paint additive

Ralf Holtgreffe, bio pin GmbH, Jever, Germany

14:45 Bio oil from fast pyrolysis – Raw material for chemical applications

Stefan Schöll, PYTEC GmbH, Hamburg, Germany

15:05 Discussion to session IV

15:25 Coffee break

15:45 Closing meeting with press conference