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

Registration: »Novel Process Windows«

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

November 26, 2009

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 December 3, 2009.

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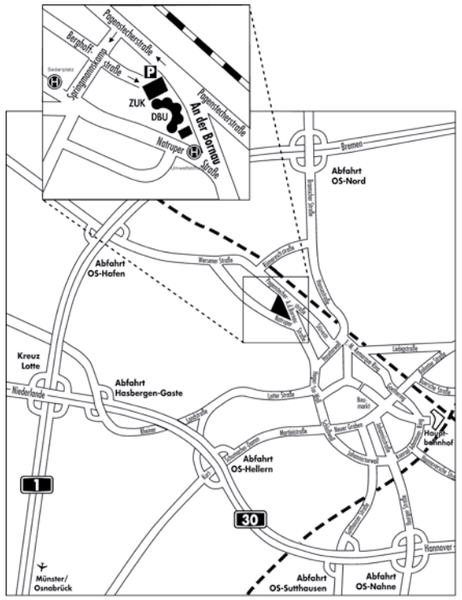

Conference venue:

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: Novel Process Windows.

Steigenberger Hotel Remarque, Natruper Torwall 1, 49076 Osnabrück
++49(0)541|6096-604 90.00 €/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 from 57.00 €/single room

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

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Conference fees:

The conference fee amounts to € 50.00, containing € 38,50 incl. 19 % VAT each for food and beverage, which is levied on behalf of the company Food Et Event, Osnabrück.

Registration:

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

Deadline: November 26, 2009

Cancellation:

Cancellations free of charge are possible before December 3, 2009. Thereafter the fee is due in full amount. Only written cancellations will be accepted.

December 10, 2009 Osnabrück, Germany

Novel Process Windows in Chemical Engineering

– Workshop –

DBU-Forschungscluster
Novel Process Windows

DBU
Deutsche Bundesstiftung Umwelt

Workshop
Novel Process Windows in Chemical Engineering

Actual progress in the field of micro process technology and catalysis enable chemical reaction under novel process regimes. In these »novel process windows«, pressure, temperature and concentration levels are feasible, which may lead to new and sustainable chemical processes. Pressure-resistant microreactors are essential to perform and control these new continuous chemical processes.

In 2007, the DBU initiated a program »Novel Process Windows«. The program includes 8 projects, started in 2007 and ends up in early 2011. Aim of that program is to realize new continuously working chemical processes, which contribute to a more sustainable chemical industry and strengthen its innovation capacity in Germany. The projects are geared to develop chemical processes with high energy efficiency, minimized emissions, minimized waste-output, inherent safe products, and enhanced space-time-yield.

Aim of the conference is to discussing actual developments in the above mentioned field. The conference addresses mainly to practitioners in the field of chemistry and chemical and process engineering, professionally experienced as well as students from research institutes and industry.

Organizing Committee:
Dr. Maximilian Hempel, DBU, Osnabrück
Prof. Dr. Volker Hessel, IMM, Mainz
Nina Weichselfelder, ZUK, Osnabrück

Thursday, 10. December 2009

10:00 Registration

10:30 Opening
Dr. Maximilian Hempel,
DBU, Osnabrück

10:45 Novel Process Windows – Doors to More Cost-Efficient and Environmentally Benign Process and New Products
Prof. Dr. Volker Hessel,
IMM, Mainz

11:15 Flash Chemistry. The Concept and Some Applications
Prof. Jun-ichi Yoshida,
Kyoto University, Japan

11:45 Accessing Novel Process Windows in a High-Temperature/Pressure Capillary Flow Reactor
Prof. Dr. C. Oliver Kappe,
Graz University of Technology

12:15 Lunch Break

13:00 Glass microreactors as promising tool for high pressure reactions
Prof. Dr. Wim Verboom,
University of Twente

13:30 High-temperature – High-pressure amination of hydrocarbons in continuous processes
Dr. Sandra Hübner,
Leibniz Institute for Catalysis at the University of Rostock

13:50 Novel Process Windows through micro-conti manufacturing for (almost) waste water free production of writing ink
Prof. Dr. Stephan Scholl,
TU Braunschweig

14:10 Direct synthesis of hydrogen peroxide with CO_2 as solvent in a membrane microreactor
Dr. Aneta Pashkova,
DECHEMA, Frankfurt

14:30 Coffee Break

14:50 High-temperature – High-pressure synthesis of chitosan from chitin in continuous processes
Katja Heppe,
Heppe Medical Chitosan GmbH, Halle

15:10 Process intensification of the Kolbe-Schmitt-synthesis by using Novel process windows
Ulrich Krtschil,
IMM, Mainz

15:30 Novel process windows for a safe synthesis of perester from butyl-peroxypivalat
Tobias Illg,
IMM, Mainz

15:50 Anionic polymerisation of styrene to polymeric organic semi-conductors in a micro-reactor
Dr. Dana Kralisch,
Friedrich Schiller University of Jena

16:10 Thermal-catalytic de-functionalization of carbohydrates
Prof. Dr. Burkhard König,
University of Regensburg

16:30 Coffee Break/Adjourn