

GREETING



Smog over the Olympic City of Beijing, thunderstorms in Western Europe and the United States of America, exploding energy costs, and a shortage of traditional resources. In an ever faster changing world, we are facing an urgent need for sustainable production technologies. These require fundamental new concepts in engineering, biochemistry, and biotechnology.



The "BioTrends 2008: SusChemEng-Conference for Sustainable Biochemical and Chemical Engineering" brings together competence and experts from academia and industry on an international platform in Dortmund on November 5th to 6th 2008. Main objectives comprise discussions, interactions, funding, and future collaborations at the interfaces of disciplines.



From coal, steel, and beer to a thriving centre of future technologies: We are looking forward to welcoming you in Dortmund for an exciting and stimulating two-day symposium on Sustainable Biochemical and Chemical Engineering!



Prof. Dr. Andreas Schmid,
Prof. Dr. Andrzej Górak,
Prof. Dr. Gerhard Schembecker,
Prof. Dr. Holger Zorn,
Technische Universität Dortmund

TRAVEL & SITE INFORMATION

By plane

Dortmund Airport: Airport's shuttle bus to the train station Holzwickede (every 15 min., time of travel 5 min.), or regional train to the main train station of Dortmund (Dortmund Hauptbahnhof, every 30 min., time of travel 18 min.).

Düsseldorf Airport or Köln-Bonn Airport: Regional/Intercity (IC)/Intercity Express (ICE) train to the main train station of Dortmund (Dortmund Hauptbahnhof, every 30 min., time of travel 40/90 min.).

By train

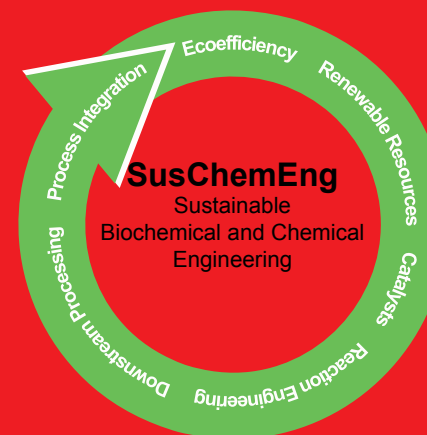
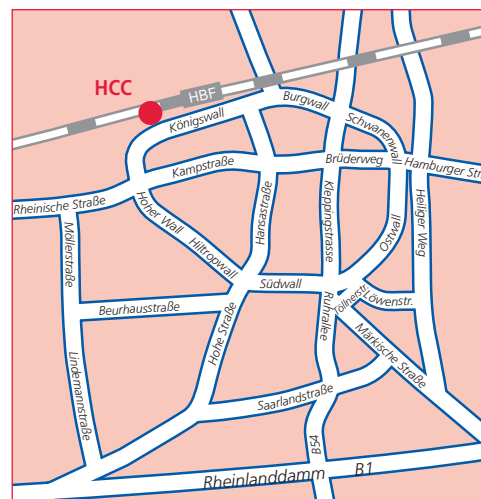
To the main train station of Dortmund (Dortmund HBF) -> take the main exit towards the city -> turn right and walk along the Königswall street -> you will find the Harenberg City Center after 200 m.

By car

A 45 exit DO-Hafen (the harbour of Dortmund), towards the city center (Richtung DO-Innenstadt) -> turn right at the second set of traffic lights -> under the train underpass -> 80 m after the railway underpass turn to the parking site next to the Harenberg City Center.

Address of the venue:

Harenberg City Center (HCC)
Königswall 21, 44137 Dortmund
Tel.: +49 (0) 231 - 90 56-166
www.harenberg-city-center.de



INVITATION

BioTrends 2008 – SusChemEng Conference
Sustainable Biochemical and Chemical Engineering
5th – 6th November 2008 in Dortmund
Harenberg City Center

GREETING



With the dortmund-project the Economic Development Agency Dortmund is providing targeted support for the future sectors of the economy. Besides micro and nanotechnology, logistics, and information technologies biotechnology ranks among these sectors. This dynamic sector significantly contributes to the formation of new jobs and constitutes a pillar of competitive production.

In the last years, with its innovative R&D institutions, upcoming technology enterprises and joint projects, which are unique in Germany, Dortmund has emerged as one of the leading locations in biotechnology in Germany as well as in Europe. An annually increasing number of innovative biotechnology firms benefit from the excellent sectoral infrastructure.

The "BioTrends 2008: SusChemEng-Conference for Sustainable Biochemical and Chemical Engineering" with many renowned national and international scientists is an ideal platform for the scientific as well as the business community to present the new perspectives for the sustainable biotechnology. For the transfer of the research results to the industry for the further development into marketable products and services provides incentives for growth and employment.

Dr. Gerhard Langemeyer,
Lord Mayor City of Dortmund

Supported by:

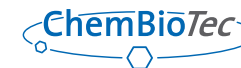


DECHEMA e.V.

City of Dortmund
Economic Development
Agency



dortmund-project



tu technische universität
dortmund



09:30 am Registration

10:00 am Welcome
Udo Mager, Economic Development Agency Dortmund
Prof. Dr. Ursula Gather, Technische Universität Dortmund
Prof. Dr. Gabriele Sadowski,
Technische Universität Dortmund

10:30 am Session I / Keynote
Chair: *Prof. Dr. Andrzej Górak*,
Technische Universität Dortmund

Dr. Michael Stückradt, Ministry of Innovation, Science,
Research and Technology of the State of North
Rhine-Westphalia
Prof. Dr. Stefanie Heiden, Deutsche Bundesstiftung Umwelt:
„Biotech-Innovations - Key to Sustainability“

11:00 am – 11:30 am Coffee Break

Prof. Dr. Dr. h.c. Gregory Stephanopoulos, Massachusetts
Institute of Technology: Keynote – „Metabolic Engineering as
Enabling Technology for the Production of Fuels and Chemicals:
Past Accomplishments and a Vision for the Future“

12:15 pm – 01:45 pm Lunch

01:45 pm Session II / Renewable Resources
Chair: *Prof. Dr. Karl-Erich Jaeger*, Forschungszentrum Jülich

Prof. Dr. Rainer Diercks, BASF SE:
„Raw Material Change in the Chemical Industry“
Prof. Dr. Arno Behr, Technische Universität Dortmund:
„Homogeneous Catalysis with Renewable Resources“

02:35 pm – 03:05 pm Coffee Break

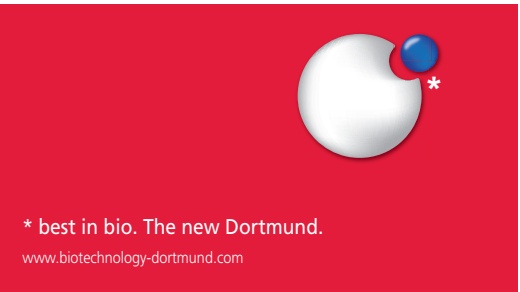
03:05 pm Session III / Catalysts
Chair: *Prof. Dr. Andreas Schmid*,
Technische Universität Dortmund

Prof. Dr. John Woodley, Technical University of Denmark:
„Industrial Biocatalysis - A New Era“
Dr. Jürgen Eck, B.R.A.I.N. AG: „Enabling Novel and Better
Processes: Searching for the Ideal Biocatalysts“
Prof. Dr. A.T. Martínez, Spanish National Research Council:
„Tailor-made Oxidoreductases“
Prof. Dr. Holger Zorn, Technische Universität Dortmund:
„Fungal Secretomes – Nature’s Toolbox for White Biotechnology“

06:00 pm Social Program
*Dortmunder Actien-Brauerei - Beer: An Ancient Yet Mo-
dern Biotechnology*

The conference dinner will take place on Wednesday, 5th
November, after the initial talks and lectures. Enjoy a typical
“beer tour” through the Dortmunder Actien-Brauerei followed
by a traditional Dortmund rustic dinner with music & more.
The dress code is casual for this event. Please note: free bus
transportation will be provided to and from to the Conference
venue. Buses will begin leaving from the Harenberg City Center
promptly after the end of the sessions at approximately 6:00
pm - in respect to the actual end of the first conference day’s
sessions. A taxi stand will also be located at the entrance of the
main train station (200 m away).

Address Social Program:
Dortmunder Actien-Brauerei / servgast GmbH,
Steigerstraße 20, 44145 Dortmund ; Fon: 0231 - 84 00 286
Further Information: www.servgast.de (only German)



08:30 am Session IV / Reaction Engineering
Chair: *Dr. Marcel Wubbolts*, DSM Research

Prof. Dr. Michihiko Kataoka, Kyoto University: „Traditional
Screening of Novel Microbial Enzymes and their Application to
Chiral Compound Production“
Prof. Dr. Patrick Adlercreutz, Lund University: „Biocatalysis
for the Sustainable Production of Surfactants and Coatings“
Prof. Dr. Andreas Schmid, Technische Universität Dortmund:
„Biocatalyst Design for Chemical Syntheses“

10:00 am – 10:30 am Coffee Break

10:30 am Session V / Downstream Processing
Chair: *Prof. Gerhard Schembecker*,
Technische Universität Dortmund

Prof. Dr. Ulrich Kulozik, Technische Universität München:
„Selective Fractionation of Proteins in a Systems Engineering
Approach“
Prof. Dr. Luuk A.M. van der Wielen, Delft University of
Technology: „ABC of Biotechnology: Avoiding Bioseparation
Costs“
Prof. Dr. Andrzej Górak, Technische Universität Dortmund
„Monoclonal Antibody Purification: A European Research
Initiative“

12:00 pm – 01:00 pm Lunch

01:00 pm Session VI / Process Integration and Ecoefficiency
Chair: Prof. Dr. Andrzej Górak,
Technische Universität Dortmund

Dr. Thomas Haas, Evonik Industries AG: „White Biotechnology
and Polymer Chemistry: Chances for New Monomer Synthesis
Processes“
Dr. Marcel Wubbolts, DSM Research: „Integration of Che-
mistry and Biotechnology for Next Generation Biorefineries“
Prof. Dr. Gerhard Schembecker, Technische Universität
Dortmund: „Integrated Biochemical and Chemical Processes“

02:30 pm – 3:00 pm Final Discussion / Concluding Remarks

In Dortmund a vast choice of all categories of accommodation at moderate
and reasonable prices is available. We will provide attendees with discoun-
ted Conference rates. Please book directly at the Dortmundtourismus by
mentioning “Biotechnology Conference” at the Dortmund Tourist Office
(English-speaking). A direct booking link can be found at the Conference
website.

Contact:
[Dortmundtourismus / Dortmund Tourist Office](#)
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Fax +49 (0) 231-18999-333
Email: hotel@dortmund-tourismus.de
www.dortmund-tourismus.de

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