

# Selected conferences and lectures

## Ausgewählte Veranstaltungen und Vorträge

### Opening Session/Eröffnungssitzung CongressCenter Messe Frankfurt (CMF), Sunday, 14 May 2006, 4.00 pm

Lecture/Festvortrag:  
Prof. Dr. S. Bethke, Max-Planck-Institut für Physik, München/D  
Quarks, Quanten und Quasare – Bausteine des Universums  
(The lecture will be simultaneously translated/Der Festvortrag wird simultan übersetzt)  
(registration required/Besucheranmeldung erforderlich)

### Closing Session/Schlussitzung Max Buchner Auditorium in DECHEMA House Saturday, 20 May 2006, 10.30 am

Lecture/Festvortrag:  
Prof. Dr. N. Walter, Deutsche Bank AG (Deutsche Bank Research), Frankfurt am Main/D  
Für welche Welt wird unser Nachwuchs ausgebildet?  
(The lecture will be simultaneously translated/Der Festvortrag wird simultan übersetzt)  
(registration required/Besucheranmeldung erforderlich)

### Panel Discussions/Podiumsdiskussionen

All discussions: Forum, Ground Floor, HotSpot

#### Monday, 15 May 2006, 11.00 am

REACH – Chemikalienzulassung in Europa  
Gerhard Kreysa, DECHEMA e.V., Frankfurt am Main/D (moderator)  
Aldo Belloni, Linde AG, Höllriegelskreuth/D  
Reinhard Loske, MdB, Fraktion Bündnis 90/Die Grünen, Berlin/D  
Tomas Nieber, IG BCE, Hannover/D  
Michael Römer, Merck KGaA, Darmstadt/D

#### Tuesday, 16 May 2006, 11.00 am

Across the Petrochemical Frontier  
Willi Meier, DECHEMA e.V., Frankfurt am Main/D (moderator)  
Xianghong Cao, Sinopec China Petroleum & Chemical Corporation, Beijing/PRC  
Peter Reimers, ADM European Management Holding GmbH, Hamburg/D  
Japie Scholtz, Sasol Technology Ltd., Sasolburg/ZA  
Wim Soetaert, University of Ghent/B

#### Thursday, 18 May 2006, 11.00 am

Elite-Universitäten – Vision und Realität  
Regina Oehler-van Gemmeren, Hessischer Rundfunk, Frankfurt am Main/D (moderator)  
Wolfgang A. Herrmann, TU München/D  
Dieter Jahn, BASF Aktiengesellschaft, Ludwigshafen/D  
Matthias Kleiner, Universität Dortmund/D  
Dagmar Schipanski, Thüringer Landtag, Erfurt/D

#### Friday, 19 May 2006, 11.00 am

Zertifikatehandel – Erfahrungen und Perspektiven aus Sicht der Chemischen Industrie  
Jörg Rothermel, Verband der Chemischen Industrie e.V., Frankfurt am Main/D (moderator)  
Christof Bauer, Degussa AG, Hanau/D  
Henning Rentz, RWE AG, Essen/D  
Franzjosef Schafhausen, Bundesministerium für Umwelt, Naturschutz und Reaktorsicherheit, Berlin/D  
Ernst Schwanhold, BASF Aktiengesellschaft, Ludwigshafen/D

The panel discussions will be held in the announced language/Die Podiumsdiskussionen finden in der jeweils angekündigten Sprache statt

### Plenary Lectures/Plenarvorträge

#### Monday, 15 May 2006, 1.30 pm

CMF, Room Spektrum

Oxygen and hydrogen transport membranes for fuels and chemicals  
A. Sammells, Eltron Research Inc., Boulder, CO/USA

#### Tuesday, 16 May 2006, 1.30 pm

Hall 4.C, Room Alliance

Anaerobic industrial waste water treatment; perspectives for closing water and resource cycles  
J. van Lier, Lettinga Associates Foundation, Wageningen/NL

#### Wednesday, 17 May 2006, 11.00 am

CMF, Room Fantasie 2

The European technology platform on sustainable chemistry – SusChem  
A. Oberholz, Degussa AG, Düsseldorf/D

#### Wednesday, 17 May 2006, 1.30 pm

Hall 4.C, Room Alliance

Climate change and climate protection: a remaining challenge for science, industry and society  
R. Zellner, University of Duisburg-Essen/D

#### Thursday, 18 May 2006, 1.30 pm

Forum, Room Agenda

The strength of basic research to develop therapies in regenerative medicine  
H.R. Schöler, Max Planck Institute for Molecular Biomedicine, Münster/D

#### Friday, 19 May 2006, 1.30 pm

Forum, Room Agenda

White biotechnology – perspectives for a sustainable chemistry  
S. Buchholz, Degussa AG, Hanau/D

The plenary lectures will be held in English. The organizer reserves the right to change the programme/Die Plenarvorträge werden in englischer Sprache gehalten. Änderungen vorbehalten

#### Service Providers' Forum/Dienstleisterforum

see page 22/siehe Seite 22

#### NAMUR Expert Round Tables/NAMUR Expertenrunden

see page 45/siehe Seite 45; further information: [www.NAMUR.de](http://www.NAMUR.de)

#### ACHEMA worldwide Business Forum/ACHEMA worldwide Wirtschaftsforum

see page 26/siehe Seite 26

#### Industrial Biotechnology Exhibition & Partnering Conference

Partnering Conference: Tuesday, 16 May – Wednesday, 17 May 2006  
Forum, Ground Floor, HotSpot

## Guest Events/Gast- und Begleitveranstaltungen

### Presentation of the 9<sup>th</sup> European Process Safety Centre Award

Tuesday, 16 May 2006, 2.00 pm  
CMF, Room Fantasie 2

The prize will be awarded in a special session of the "Safe Plants – Safe Products" topic of the AICHEMA 2006 congress programme.

*Die Verleihung des Preises erfolgt in einer Sondersitzung im Rahmen der Themenreihe „Safe Plants – Safe Products“ innerhalb des Kongressprogramms der AICHEMA 2006.*

### EuroCentro NAFIN Workshop for LatAm Companies

Tuesday, 16 May - Wednesday, 17 May 2006, 9.00 am – 6.00 pm  
Hall 4.2, Stand H21-J27

AL-INVEST Europe – Latin America Branch Meeting "Chemical Equipment and Process Technology"

The event offers companies from Europe and Latin America an opportunity to forge contacts and cooperations.

*Die Veranstaltung bietet die Möglichkeit der Kontaktabnahnung zwischen Unternehmen aus Europa und Lateinamerika.*

### VDI Verfahrenstechnik und Chemieingenieurwesen

Wednesday, 17 May 2006, 11.00 am  
Max Buchner Auditorium in DECHEMA House

VDI-Society for Chemical and Process Engineering (VDI-GVC) will hold its traditional formal meeting on the occasion of AICHEMA 2006.

*Die VDI-Gesellschaft Verfahrenstechnik und Chemieingenieurwesen (VDI-GVC) veranstaltet aus Anlass der AICHEMA 2006 ihre traditionelle Festsitzung.*

### GDCh Gesellschaft Deutscher Chemiker

Wednesday, 17 May 2006, 4.00 pm  
Max Buchner Auditorium in DECHEMA House

On the occasion of AICHEMA 2006 Gesellschaft Deutscher Chemiker will hold a formal meeting with musical accompaniment.

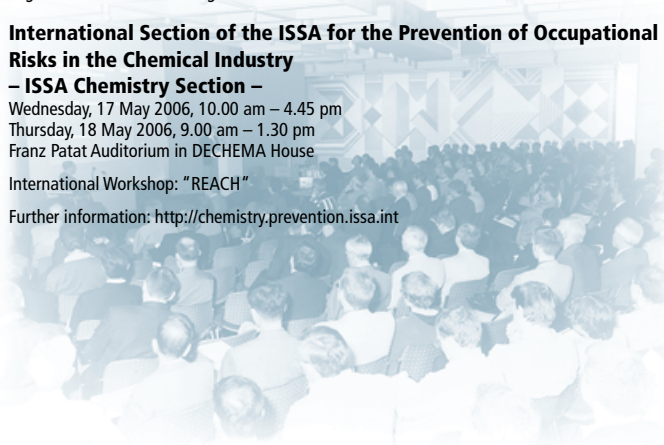
*Die Gesellschaft deutscher Chemiker bittet anlässlich der AICHEMA 2006 zu einer musikalisch begleiteten Festveranstaltung.*

### International Section of the ISSA for the Prevention of Occupational Risks in the Chemical Industry

– ISSA Chemistry Section –  
Wednesday, 17 May 2006, 10.00 am – 4.45 pm  
Thursday, 18 May 2006, 9.00 am – 1.30 pm  
Franz Patat Auditorium in DECHEMA House

International Workshop: "REACH"

Further information: <http://chemistry.prevention.issa.int>



## Topics of the ACHEMA Congress

An overall time-planner with the complete Congress Programme is at your fingertips: [www.achema.de](http://www.achema.de)  
With just one mouse click select the lectures (and abstracts) of the individual sessions and find the relevant exhibitors!

### Microchemical Engineering

- Chemical Applications ● Unit Operations ● Components and Systems
- Modelling and High-Throughput ● Sensors and Safety ● Fuel Cell Applications
- Industrial Applications ● Characterisation of Microstructures

### Plant Equipment

- Pumps ● Components ● Use and Exchange of Heat ● Reactors
- Plant Equipment and Modelling

### Green Solvents for Environmentally Friendly Processes

- Ionic Liquids – Reactions ● Ionic Liquids – Practical Aspects ● Separation Technologies
- Biotechnology ● Supercritical Fluids – Reactions ● Cleaning and Processing

### High-Tech Surfaces

- Self-Cleaning Surfaces ● Resistant Surfaces ● Catalytically Active Surfaces

### SAP Applications in Process Industries

### Increasing Importance of Specialised Service Providers

- Research and Development ● Asset Management ● Logistics

### Safe Plants – Safe Products

- Tight Apparatus - Seals and Bearings ● Hazard and Risk Evaluation ● Safety Devices
- Analytical, Mathematical and Apparative Tools ● Explosion Hazards
- The Human Factor

### New Materials for Fuel Cell Technology

- Improved Diagnostics for PEFCs ● Systems and Infrastructure ● Progress in Membrane Development
- Catalyst Development for PEFCs ● Components Production for PEFCs

### Plant Controlling

- Advanced Process Control ● Intelligent Field Devices ● Data Handling
- Process Visualisation ● Measurement Systems

### M3C in DSP: Measurement, Monitoring, Modelling & Control in Downstream and Integrated Processes

- Field Enhanced Separation and Chromatography ● Measurement and Monitoring
- Process Analytical Technology (PAT) ● Scale-Down and Simulation

### Production and Isolation of Biopharmaceuticals

### International Activities: Funding Programmes, Political Activities and Networks in Industrial Biotechnology

### Sterilisation Technologies for Food, Beverages and Pharmaceuticals

### PAT – a Strategic Vision for Manufacturing, Development and Quality Assurance

- PAT and NIR, an Industrial Assessment ● Industrial Case Studies

### Laboratory and Analytical Techniques

- Fume Cupboards and Air Systems ● Installations and Safety ● Laboratory Design
- Safety in Laboratories ● Validation and Qualification ● Analytics
- Process Related Analytics ● Automation and Chromatography ● Spectroscopy

### Mixing and Separation Technology

- Adsorption ● Distillation ● Crystallisation ● Solids Separations and Handling
- Mixing ● Membrane Separations and Extraction ● Evaporation
- Drying

### Industrial Application of Membrane Technologies

### Ecoefficient Waste Treatment and Resource Recovery

- Thermal Processes, Waste-to-Energy Plants ● Technologies for Recovery of Valuables
- Biological Processes

### Advanced Reaction Technology

- New Processes ● Advanced Strategies and Processes ● Waste Use and Abatement
- Oxidation Processes

### Nickel Alloys Selection in the Chemical Process Industry

### Processing and Production of Nanomaterials

- Advanced Nanomaterials ● Nanocomposites ● Nano in Life Sciences

### Processes and Components for Pharmaceutical Production

- Packaging ● Formulation Technologies ● Facility Design ● Process Analytical Technologies
- Production Management ● Isolation of Active Compounds

### Multivariate Process Data Analysis

### Use of Renewables

### Highlights of European Catalysis Research

### Production of Gas and Transportation Fuels from Biomass

### Membrane Technologies and Water Treatment

- Desalination Technologies ● Industrial Water Reuse

### Dosing, Feeding and Homogenisation of Disperse and Viscous Media

- Handling of Disperse Media ● Handling of Viscous Media

### Asset Management

### Materials Technology – Managing Corrosion with Teflon

### Process Intensification

### Expression and Production Systems for Recombinant Therapeutics

### Research Colloquium FORCARBON

- Plating of Diamond and Adamantine Carbon ● Carbon Based Composites
- Carbon Materials with Special Morphologies

### Smart Devices

### Efficient Use of Water Resources in Industry

- Membrane and Combined Treatment Technologies ● Process Water and Waste Water Treatment

### Fine and Ultrafine Particles

- Properties and Control ● Measurement and Monitoring ● Abatement

### Materials for Process Components

### Fraunhofer-Network of Electrochemistry

### Scope for Growth – Identify and Exploit your Innovation Competence

- From Visions to Products ● Innovation Management

### Natural and Synthesis Gas for Power Generation, Synthetic Fuels and Chemicals

- Gas-to-Liquid Processes

### Biocatalysis in Chemical Production

### VBU – Gateway to International Markets

- Biotechnology Markets in China, India and Eastern Europe

### Success Stories of High-Throughput Materials Science

- Catalytic Materials ● Formulations

### E-Learning

### The Integrated Project TOPCOMBI

- Towards Optimised Chemical Processes and New Materials by Combinatorial Sciences

### Planning of Biotechnological Production Units

### New Analysis and Sensor Techniques in Biotechnology

### Advances in Waste Gas Treatment