ACHEMA 2012
30th World Exhibition Congress · Frankfurt am Main · 18 – 22 June 2012
Chemical Engineering · Environmental Protection · Biotechnology

ANNOUNCEMENT
WORLD FORUM OF THE PROCESS INDUSTRY

» ON THE PULSE OF OUR INDUSTRY

The global markets are in a state of upheaval – and the process industry is no exception. Only players who have their finger on the pulse of the times and their innovations on target will maintain their technological edge.

Nowhere is the heartbeat of process engineering faster, more intense, more up-to-date and international than at ACHEMA: ACHEMA is and will continue to be the leading event of our industry with a worldwide signalling effect.

There is, therefore, every reason to look forward to the 30th ACHEMA in June 2012 when Frankfurt am Main will once again become the centre of the world for all those committed to advancing the frontiers of the process industry.

» INVESTMENT HUB

Around 4,000 exhibitors from all continents, 175,000 participants from over 90 different countries, including 30,000 executives from top and middle management – ACHEMA represents the communication hub of the process industry and the international summit for our community. ACHEMA is where the technological trends of our industry are launched, investment decisions are made and new ventures initiated.

» CAPITALIZE ON OPPORTUNITIES!

As the major gathering of the leading companies of a globally networked industry, ACHEMA is the platform that highlights new perspectives, fosters the dialogue between manufacturers and users and mobilizes synergies. In 2012 the ‘world forum of the process industry’ will, therefore, once again showcase the entire multifaceted range of the technological state-of-the-art in process engineering – which in turn will create synergies for maximum development impact on the user side.

» INNOVATION DRIVER AND ECONOMIC POWERHOUSE

All these factors make ACHEMA an innovation driver and economic powerhouse for the process industry. Nowhere else can professionals and decision-makers find a comparable concentration of technologies and solutions for all sectors of the process industry.

» WHERE SYNERGY EFFECTS BECOME TANGIBLE

Biotechnology and environmental protection are integral general topics at ACHEMA; both exploit the technological solutions provided by process engineering. As a result, the holistic concept of production-integrated environmental protection has become a hallmark of this event. Nowhere is the integration of molecular and industrial biotechnology so tangible as at ACHEMA; bio-based products are making an increasingly strong impact on the market, paving the way towards the bioeconomy. This goes hand-in-hand with a structural change encompassing the major part of the process industry – and ACHEMA provides a forum where interdisciplinarity is traditionally writ large.

SPECIAL SHOW

» ENERGY-EFFICIENT STORAGE AND TRANSPORTATION

This year’s Special Show on the theme of “Innovative Energy Carriers and Storage” promises to trigger an unprecedented innovation drive. Concepts for efficient storage and transportation of energy – not forgetting the buzzword ‘e-mobility’ – are the challenges of the future, and what sector is better qualified to meet them than the chemical process industry? In view of rising demand and intensified funding programmes, an innovation surge is literally in the air ... in fact it’s a certainty for the Special Show, especially in the fields of battery technology, solar-chemical processes, photovoltaics, supercapacitors, fuel cell technology and the hydrogen economy.
ACHEMA 2009 – FACTS AND FIGURES

3,767 exhibitors and 173,235 participants

Exceptionally stable exhibitor and visitor figures and consistently high exhibitor satisfaction ratings: the 29th ACHEMA recorded sweeping acceptance in its target groups, upholding its unrivalled position as the world forum of the process industry. The last ACHEMA triggered the long-awaited wave of optimism for the process industry, defying the tough economic climate of 2009!

VISITOR SPECTRUM

<table>
<thead>
<tr>
<th>Group</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineers</td>
<td>37.8%</td>
</tr>
<tr>
<td>Chemists, physicists</td>
<td>18.3%</td>
</tr>
<tr>
<td>Foremen, technicians,</td>
<td>18.5%</td>
</tr>
<tr>
<td>laboratory assistants</td>
<td></td>
</tr>
<tr>
<td>Commercial staff</td>
<td>6.9%</td>
</tr>
<tr>
<td>Trainees, students</td>
<td>4.5%</td>
</tr>
<tr>
<td>Others</td>
<td>13.9%</td>
</tr>
</tbody>
</table>

(Data from ACHEMA 2009)

PARTICIPANT STRUCTURE

<table>
<thead>
<tr>
<th>Group</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Day visitors</td>
<td>134,214</td>
</tr>
<tr>
<td>Journalists</td>
<td>883</td>
</tr>
<tr>
<td>Students, trainees, teachers,</td>
<td>12,831</td>
</tr>
<tr>
<td>pupils</td>
<td></td>
</tr>
<tr>
<td>Stand personnel</td>
<td>25,307</td>
</tr>
</tbody>
</table>

» GRADUATED TARIFFS TO SUIT ALL BUDGETS

As the leading event of a highly diverse industry, ACHEMA offers the right platform to small and medium-sized companies as well as to internationally positioned companies, family businesses, small start-up companies and major industrial holdings. Different options with diverse stand variations make the choice affordable for every category of exhibitor.

- Aisle stands: 297.– €/m²
- Central aisle stands: 356.40 €/m²
- Island stands/Corner stands: 415.80 €/m²
- Outdoor area: 116.– €/m²
- Special show: 188.– €/m²
- Start-up tariff: 188.– €/m²
- Co-exhibitor fee: 920.– €

All prices subject to statutory VAT

EXHIBITION GROUPS / AREA

REORGANIZATION OF HALLS

The new Hall 11 is an innovation for ACHEMA 2012. The increased floor space represents an improvement for all exhibition groups. The exhibition groups that will directly benefit from the new hall are Instrumentation, Control and Automation Techniques, Pumps, Compressors, Valves and Fittings and also Materials Technology and Testing. Nevertheless, the reorganization is also advantageous for other exhibition groups, for instance Laboratory and Analytical Techniques will now be able to showcase their goods and services in their own special area on the two upper levels of Hall 4. Mechanical Processes at long last have a cohesive area on Hall levels 5.0, 5.1 and 6.0, and Hall 3 now provides Pharmaceutical, Packaging and Storage Techniques with the desired scope for growth.
CONGRESS

» NETWORKING IN RESEARCH AND TECHNOLOGY

With a programme featuring over 900 lectures and attracting some 27,000 participants, the Congress is the second cornerstone of ACHEMA alongside the exhibition. In addition, numerous special and guest events, panel discussions, expert round tables and plenary lectures provide an extensive survey of topical trends and the rich diversity of process technology.

» THE COMPLETE SPECTRUM OF TOPICS

The ACHEMA Congress programme reflects the diversity of topics of the exhibition and covers the complete spectrum of process engineering, supplementing the classical aspects with special lecture series on up-to-the-minute hot topics:

**General Topics**
- Advanced Reaction Technology
- Mixing and Separation Technology
- Plant Components: Apparatus, Piping, Reactors
- Plant Controlling: Systems, Field Devices and Concepts
- Processes and Apparatus for Pharmaceutical Production
- Laboratory and Analysis Techniques
- Safety
- Industrial Security / Risk Management
- Materials and Materials Testing
- E-Learning
- Chemical Leasing / Forward Integration

**Special Sessions**

**Focus: BioEconomy**
- New Products through Biotechnology: Fuels, Polymers, Biopharmaceuticals
- Raw Materials for Biotechnology: Synthesis Gas, Lignocellulosics
- Bio-Refineries and Processing of Renewables
- Development and Application of Novel Biocatalysts: Enzymes, Cells, Organisms
- High-Tech Equipment for Biotechnology: Sequencers, Synthesizers, Chips
- Bioprocesses: Reactors, Monitoring, Modelling, Downstream Processing
- Food Biotechnology

**Focus: Process Technology**
- Potable and Ultrapure Water Generation
- Energy Efficiency by Integrated Processes
- Reaction Modelling for Layout and Control
- Solids Process Engineering
- Recycling and Urban Mining
- Single-use Reactors
- CO₂ Separation and Utilisation

**Focus: Materials Technology**
- Energy Storage, Transport and Use
- Plastics vs. Metal: Options for Plant Engineering and Design
- Chemical Nanotechnology
- Advanced Fluids in Process Engineering

Please submit Congress registrations in the form of a one-page abstract (max. 200 kB) via http://www.achema.de/congress. Lecture time is 20 minutes; the Congress language is English.

The abstracts of all accepted contributions will be available in advance on the Internet. The deadline for submitting contributions is 31 August 2011.

Our Congress office will be pleased to provide further information by e-mail at lecture@achema.de or by telephone on +49/(0)69/7564-254.
» FOCUS ON AUTOMATION TECHNOLOGY:
NAMUR EXPERT ROUND TABLES

Organized by NAMUR, the user association of automation technology, the round table sessions on topical issues in instrumentation, control and automation techniques have become something of an institution and a crowd-puller for the ACHEMA Congress programme!

» FOCUS ON SAFETY TECHNOLOGY:
INTERNATIONAL ISSA WORKSHOP

Another regular guest event at ACHEMA is the ISSA Chemistry Section, a discussion forum addressing the latest health and safety issues.

ORGANIZER OF ACHEMA

DEHEMA

Gesellschaft für Chemische Technik und Biotechnologie e.V.
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Lectures: 254
Visitors: 449, 129
Press: 277, 296

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ACHEMA online

» JUST ONE CLICK TO THE WEALTH OF INFORMATION AND COMPETENCE OF ACHEMA

5,000 producers and research institutions from 60 different countries
- Chemical engineering
- Biotechnology
- Environmental protection

What new products and processes are available, and who offers them?
Who supplies equipment, components or complete plants?
Who would be a suitable cooperation partner for production or research?
What agencies are sought or offered?
Who would make a good partner for a joint venture?
Who is seeking licensees or licensors?
Who might be interested in our products?

Or simply:

What is ACHEMA all about?
How can I find what really interests me?
How can I best plan my visit to ACHEMA in advance?
Who can I expect to meet there?
Which lectures are a must for me?
What is the simplest way for me to get a ticket?

Find out the answers to these and other questions at ACHEMA online, the multifunctional Internet domain for the process industry!

As the leading online platform for the process industry ACHEMA online is the key to a successful visit to the event – and an indispensable reference tool afterwards.
ACHEMA SERVICES

The ACHEMA Programme brochure will be available in January 2012.

SIMPLY REGISTER AT WWW.ACHEMA.DE TO OBTAIN YOUR FREE PERSONAL COPY IN GOOD TIME!

The ACHEMA Programme is concise and compact. The detailed information it contains will make your visit to ACHEMA as smooth and successful as possible.

Study courses
The ACHEMA Study courses are a special programme for student groups who wish to experience the unique wealth of information offered by ACHEMA at first hand. Groups should be registered by a lecturer; participation is free of charge. Registration forms for student groups can be requested at www.achema.de or by e-mail to kw1@dechema.de.

Visitor registration
From January 2012 you can register as a visitor online via www.achema.de and print out your admission ticket directly. The same applies to reservations for accommodation.

Fare reductions
RMV exhibition tickets are a service provided by DEHEMA for exhibitors and visitors at ACHEMA 2012 in collaboration with Rhein-Main-Verkehrsverbund (RMV). Please refer to the detailed programme for more information (from January 2012).

Information on ACHEMA 2012 is regularly updated at www.achema.de.

CAREERS

JOBVECTOR CAREERS DAY: 21 JUNE 2012

ACHEMA has certainly marked the start and even the decisive turning point of numerous careers in the process industry. A similar number of open positions have been satisfactorily filled as a result of the excellent contacts facilitated by ACHEMA.

In cooperation with jobvector, the leading careers platform for the science and technology sector, ACHEMA offers a careers day, revolving around all aspects of successful applications, careers and career prospects.

REGISTRATION FEES

<table>
<thead>
<tr>
<th>Admission tickets for exhibition and congress</th>
<th>Registration fee (€)</th>
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</thead>
<tbody>
<tr>
<td>Season tickets (issued by name and not transferable, with ACHEMA publications)</td>
<td>80.–</td>
</tr>
<tr>
<td>• for employees in industry, trade and commerce&lt;sup&gt;1&lt;/sup&gt;</td>
<td>60.–</td>
</tr>
<tr>
<td>• for employees in universities, public authorities, associations&lt;sup&gt;2&lt;/sup&gt;</td>
<td>30.–</td>
</tr>
<tr>
<td>• for students, pensioners, unemployed and disabled persons&lt;sup&gt;3&lt;/sup&gt;</td>
<td></td>
</tr>
<tr>
<td>Season tickets (issued by name and not transferable, without ACHEMA publications)</td>
<td>15.–</td>
</tr>
<tr>
<td>• for accompanying persons (only family members and in conjunction with a season ticket)&lt;sup&gt;4&lt;/sup&gt;</td>
<td>15.–</td>
</tr>
<tr>
<td>• for students, trainees, pupils, pensioners, unemployed and disabled persons</td>
<td></td>
</tr>
<tr>
<td>Day tickets</td>
<td>30.–</td>
</tr>
<tr>
<td>• Day ticket&lt;sup&gt;5&lt;/sup&gt;</td>
<td>6.–</td>
</tr>
</tbody>
</table>

<sup>1</sup> incl. € 8.00 research contribution  
<sup>2</sup> incl. € 6.00 research contribution  
<sup>3</sup> incl. € 2.00 research contribution

The research contribution is requested on behalf of the Max Buchner Research Foundation administered in an honorary capacity by DEHEMA e.V. It is a voluntary donation that is tax deductible in Germany. The Max Buchner Research Foundation awards grants to support research projects in DEHEMA's statutory fields of activity. They thus effectively complement the advancement of broad-based industrial joint research pursued by DEHEMA.

Personal members of DEHEMA and members of its partner associations are entitled to a deduction of € 15.00 from the full price of the season ticket.
ACHEMA worldwide

GLOBAL PLATFORM FOR THE PROCESS INDUSTRY

ACHEMA Asia 2013
Beijing, PR China, 13 – 16 May 2013

With ACHEMA Asia, DEHEMA supports the internationalization of its exhibitors’ activities. True to the caption ACHEMA worldwide, ACHEMA Asia provides a platform committed to the high standards of ACHEMA in the world’s most dynamic growth region. ACHEMA Asia opens up new market opportunities in Asia, promotes access to decision-makers from research, industry and politics and gives the international process industry in China an identity.

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