

ACHEMA2018

ANNOUNCEMENT



11–15 June 2018

Frankfurt on the Main, Germany

www.achema.de



» WORLD FORUM OF THE PROCESS INDUSTRY

FEEL THE HEARTBEAT OF OUR INDUSTRY!

The process industry is the innovation driver of the world economy and the pacemaker for numerous industrial sectors. Practically all global value chains profit in one way or another from the achievements of chemistry, biotechnology and process engineering.

ACHEMA is, was and will always be the central arena of the process industry.

Nowhere is the heartbeat of our industry faster, more intense, up-to-date, innovative and international than here. ACHEMA is the leading fair for all sectors of the process industry, offering a panorama of current technology trends and a technology platform with a worldwide signalling effect.

BE INFORMED.
BE INSPIRED.
BE THERE.

ACHEMA 2018

NETWORKING AND INVESTMENT DECISIONS

166,000 participants from around 100 different countries...

including 30,000 executives from top and middle management: ACHEMA is the communication hub of the process industry. This is where the technology trends of our sector are launched, investment decisions are made and new ventures initiated.

INNOVATIVE

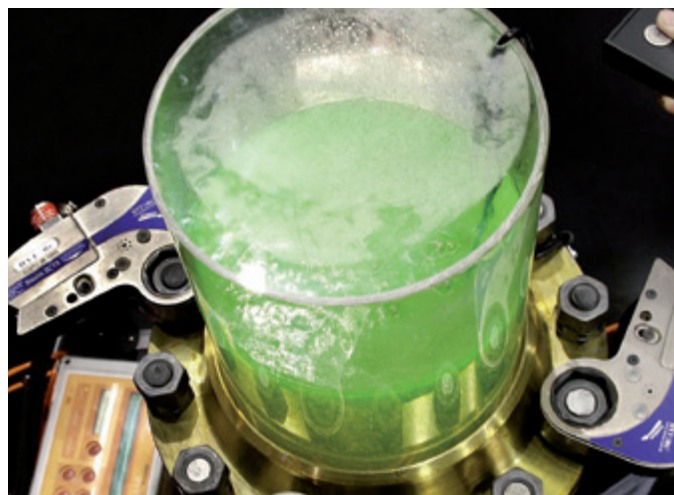
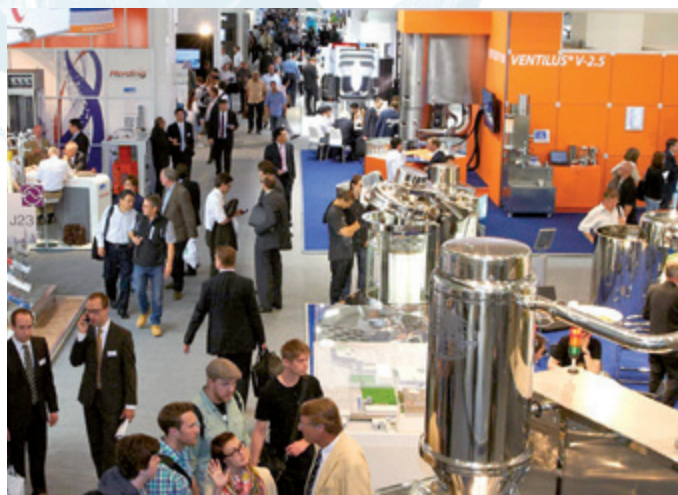
As the major get-together of a globally networked industry, ACHEMA is the platform that pinpoints new perspectives, promotes a dialogue between producers and users, and creates synergies. The *world forum of the process industry* is once again poised to showcase the whole spectrum of process engineering in 2018 – and from the user's point of view, it will act as a catalyst for countless new projects.

INSPIRING

ACHEMA is both an innovation driver and an economic powerhouse. No other event exposes the participant to an overview of integrated solutions for all areas of the process industry in such scope, depth and topicality. Interdisciplinarity generates novel ideas and co-operations.

INTERACTIVE

Information hub ... dazzling display of innovations ... business indicator – with this successful formula ACHEMA calls the shots for the process industry worldwide! Several hundred specialist journalists from all over the world stand for an unparalleled media impact reaching decision-makers on all continents. No matter what the aspect – innovative products, the latest research findings or 'hot' topics: ACHEMA pools the creativity of the entire sector and showcases the expertise of its exhibitors to a global audience.



TECHNOLOGICAL DIVERSITY CREATES SYNERGIES

Environmental Protection, Biotechnology and Materials Science are multidisciplinary topics. What they have in common is that they exploit the technological solutions enabled by process engineering.

As a result, the holistic concept of production-integrated environmental protection has become one of the hallmarks of ACHEMA.

Nowhere is the integration of molecular and industrial biotechnology so tangible than at ACHEMA.

Dwindling water resources show that efficient industrial water management is a prerequisite for the operation of an industrial site.

Moreover, the challenges facing us today, such as the energy turnaround, call for innovative solutions – which, in turn, are dependent on advances in materials science.

Without sound safety concepts, however, all of this is ... futile!

Technological diversity singles out ACHEMA as the hub of the worldwide innovation network, pushing new frontiers in the process industry by creating synergies.

GUEST EVENTS HIGHLIGHT NEW TRENDS

• Process automation

The expert round tables, organised by *NAMUR* with *ZVEI* and *ARC*, address current issues in instrumentation, control and automation technology. They have meanwhile become something of an institution on the ACHEMA Congress Programme and a firm fixture for the automation community.

• Safety technology

The *ISSA Chemistry Section* regularly takes advantage of ACHEMA by organising a special workshop to discuss the latest industrial and labour safety issues.

• Powder and nanotechnology

The International Powder and Nanotechnology Forum, organised jointly by ACHEMA and the *Society of Chemical Engineers, Japan*, promotes the exchange of ideas and experience on cutting-edge developments in powder technology.

» FOCAL THEMES

*Topics, impacting the process industry...
and inspiring a surge of innovation at ACHEMA 2018:*

- **Biotech for Chemistry:** from gene to process to product – chemical and biotechnological processes are gradually merging.
- **Flexible Production:** smaller batches, more specialised products, faster cycles – digital integration of the value chain makes this possible.
- **Chemical and Pharmaceutical Logistics:** with integrated solutions from service provider to systems partner – the digitalisation of the logistics chain opens up new paths in supply chain management and distribution.





» ACHEMA 2015 – FACTS AND FIGURES

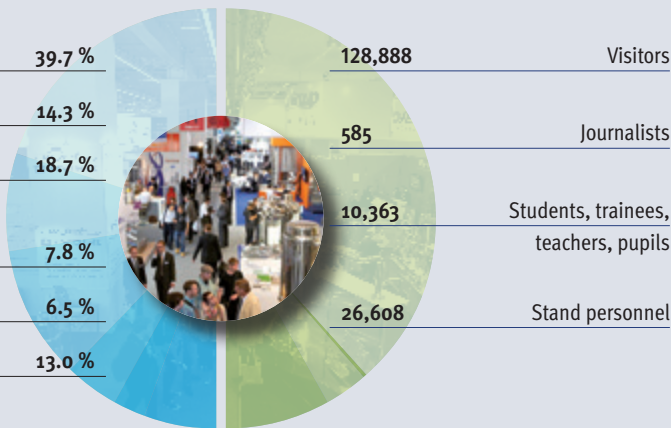
PARTICIPANT STRUCTURE AND VISITOR SPECTRUM

VISITOR SPECTRUM

Engineers	39.7 %
Chemists, physicists	14.3 %
Foremen, technicians, laboratory assistants	18.7 %
Commercial staff	7.8 %
Students, trainees	6.5 %
Others	13.0 %

(ACHEMA 2015 figures)

PARTICIPANT STRUCTURE

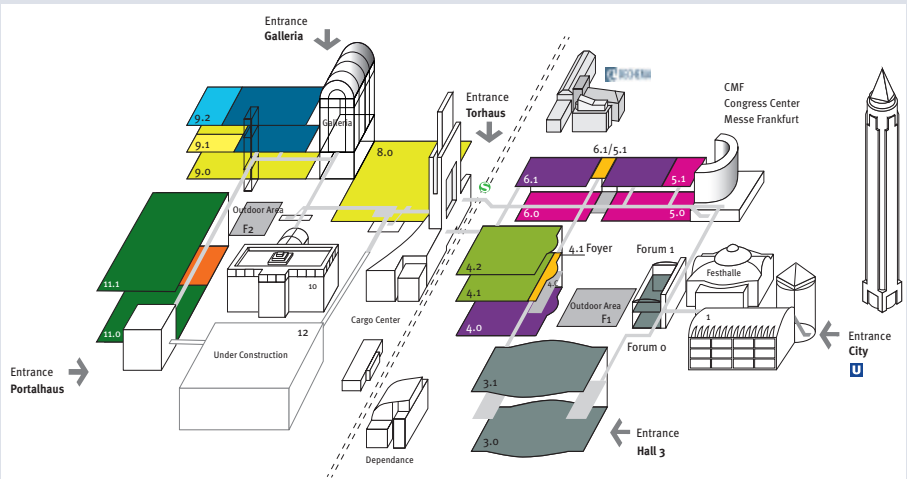


SHOWCASE OF PROCESS ENGINEERING

3,813 exhibitors from 56 countries

What other event for our industry attracts anything approaching our high exhibitor figures and spiralling top ratings for exhibitor satisfaction! ACHEMA records broad-based acceptance in its target groups and maintains its uncontested position as the world forum of the process industry.

SITE PLAN / EXHIBITION GROUPS



	Research and Innovation	4,500 m²		Pumps, Compressors, Valves and Fittings	34,000 m²
	Literature, Information, Learning and Teaching Aids	1,000 m²		Pharmaceutical, Packaging and Storage Techniques	20,000 m²
	Laboratory and Analytical Techniques	22,000 m²		Industrial and Labour Safety	1,000 m²
	Engineering	11,000 m²		Instrumentation, Control and Automation Techniques	11,500 m²
	Mechanical Processes	15,500 m²		Materials Technology and Materials Testing	3,000 m²
	Thermal Processes	16,500 m²			

GRADUATED TARIFFS TO SUIT ALL BUDGETS

As the leading fair of a highly diversified industry, ACHEMA aims to meet the needs of a broad spectrum of businesses: medium-sized enterprises as well as international companies, family businesses and start-ups as well as industrial holdings. Different stand options geared towards different budgets make this feasible.

Aisle stands	328.– €/m²
Central aisle stands	393.60 €/m²
Block stands/corner stands	459.20 €/m²
Outdoor area	129.– €/m²
Special tariff (start-ups and university research institutions)	207.– €/m²
Co-exhibitor fee	950.– €

All prices are subject to statutory VAT.

» CONGRESS

THE COMPLETE RANGE OF THEMES

The ACHEMA Congress spans the complete range of process engineering themes, thus reflecting the diversity of the exhibition. Classical aspects are complemented by a highly topical lecture series:

Biotech for Chemistry

- Biochemical reaction technology
- Biorefineries
- Biotransformations/biocatalysis
- Integrated production

Chemical Engineering

- Process design
- Digital plant engineering
- Micro-process engineering
- Process intensification
- Plant control

Flexible Production

- Digital plant concepts
- Modular plant concepts
- Intelligent plants and apparatus
- Batch-to-continous
- Automation

Future Energy Supply

- Energy-efficient transformations
- Energy storage
- Renewable energy resources
- GHG mitigation technologies
- Substitution technologies

Industrial Water Management

- Efficient treatment of complex wastewaters
- Energy efficiency in water management
- Industrial water reuse
- Instrumentation, control, digitalisation
- Recovery of valuables from wastewater
- Developments in desalination

Laboratory Technology

- From big data to smart data
- Laboratory goes digital
- Lab equipment and automation
- High-throughput technologies
- Sustainable lab design

Labour and Process Safety

- Fires and explosions
- Simulation and modelling
- Management of risk and safety
- Human and organisational factors
- Learning from accidents

Materials and Material Processing

- Metals and alloys
- Polymers
- Nanomaterials and advanced materials
- Materials and surface analysis
- Corrosion
- Solids processing
- Additive manufacturing

Mixing and Separation Technology

- Advanced separation technologies
- Absorption and adsorption technology
- Membrane technologies
- Extraction
- Efficient mixing technologies

Pharmaceutical Technology

- Sterile manufacturing
- Analytics and quality control
- Formulation and filling technology
- Labelling and tracking technology
- Regulatory aspects

Process Analytical Technology

- Process control
- Model-based and data-driven control and simulation
- Online process monitoring
- Data and tool integration
- PAT and regulatory approach

Raw Materials and Alternative Feedstocks

- Raw material sources
- Circular economy
- Recovery of resources
- Biomass and biorefineries
- CO₂ capture and utilization (CCU)

Reaction Technology

- Chemical transformations
- Catalysis
- Modelling and simulation
- Kinetics
- Reactor design

IS RESEARCH DELIVERING FOR INDUSTRY?



Practice-oriented topics concisely presented by experts from the fields of our exhibitors: that is the rationale behind the ACHEMA PRAXISforums which take place on the exhibition grounds in the immediate vicinity of the respective exhibition group.

- Pharma meets Production
- Chemical & Pharma Logistics
- Future Production
- Innovative Mixing & Separation Solutions
- Sensor-based Production Control
- Lab of the Future
- State of the Art in Fluid Handling
- Safety First!
- Advanced Reactor Design
- Bioprocessing: Speed, Flexibility, Disposables

What makes the ACHEMA package so inviting is that the exhibition is complemented by an extensive congress programme, featuring a well-balanced blend of science and practice in the form of lectures and overviews on topical themes, panel discussions, expert round tables, high-profile guest events and symposia, and rounded off by an attractive social programme.

Moreover, school and university students have their own special programme at ACHEMA, giving the next generation – tomorrow's customers and employees! – an exciting introduction to the world of process engineering.

Call for Papers for the ACHEMA Congress and the PRAXISforums: Please submit a one-page abstract (max. 200 kB) via www.achema.de/congress. The Congress language is English.

The abstracts of all accepted contributions will be available online in advance. The **deadline** for submitting contributions is **22 September 2017**.

Our Congress office will be pleased to provide further information by e-mail via lecture@achema.de or by telephone on +49/(0)69/7564-254.

» ACHEMA *online*

JUST A CLICK TO THE EXPERTISE OF AACHEMA

Producers and research institutions from 60 different countries

- Chemical engineering
- Environmental protection
- Biotechnology
- Pharmaceutical technology
- Process automation
- Packaging techniques
- Fluid technology
- Materials technology

- » All exhibitors with a brief profile and address details
- » New developments
- » Selected products in detail
- » Manufacturers of equipment, components or plants
- » Co-operation partners for research or production
- » Offers and requests for representative offices
- » Potential joint venture partners
- » Licensees and licensors
- » Target markets

Or simply:

- » How can I best plan my visit to AACHEMA?
- » How can I find what really interests me?
- » I need a ticket!

Answers to these and many other questions can be found on AACHEMA *online*, the multifunctional website for the process industry.

As the leading Internet platform for process engineering AACHEMA *online* is the key to a successful visit to the event – and an indispensable reference tool for all aspects of our sector long after it is over.

» AACHEMA SERVICES

The detailed AACHEMA Programme brochure will be available in spring 2018.

Simply register at www.achema.de to obtain your free personal copy in good time!

The AACHEMA Programme is concise and compact. It contains all the information you need to prepare a successful visit to AACHEMA.

STUDY COURSES

At AACHEMA, school and university students can experience the entire range of process engineering at first hand and make their first contact with the sector. The AACHEMA Study Courses are a special programme for student groups. Groups should be registered by a lecturer. Participation is free of charge. Registration documents can be requested at www.achema.de/studienzyklus or by e-mail to studienzyklus@achema.de.

VISITOR REGISTRATION

From February 2018 you can register as a visitor online via www.achema.de and download or print out your admission ticket. The same applies to accommodation bookings.

FARE REDUCTIONS

RMV exhibition tickets are a service provided by DECHEMA for exhibitors and visitors to AACHEMA 2018 in co-operation with Rhein-Main-Verkehrsverbund (RMV), the regional transit system.

Information about AACHEMA 2018 and our services is regularly updated at www.achema.de

» INTERNATIONAL NETWORKING

www.achema.de/partnering

AACHEMA Partnering enables visitors and exhibitors to selectively identify potential co-operation and business partners and quickly get connected. Even during the run-up to the event registered visitors can compare profiles of interest with other visitors or with exhibitors, and then it is just a simple step to make contact and arrange appointments.





» CAREERS

JOBVECTOR CAREER DAY: 14 JUNE 2018

ACHEMA has marked the decisive turning point of countless careers in the process industry; the opportunities for filling open positions that ACHEMA offers are virtually second to none.

In co-operation with an external partner ACHEMA offers the 'jobvector career day', a networking event revolving around all aspects of successful applications, careers and job prospects.



» ACHEMA worldwide



AchemAsia 2019, Beijing
save the date: 7-9 May 2019

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REGISTRATION FEES

Admission tickets for exhibition and congress	Registration fee (€)
Season tickets (not transferable)	
• for employees in trade, industry and commerce	80.-
• for employees in universities, public authorities, associations	60.-
• for students, pensioners, unemployed and severely disabled persons	35.-
• for accompanying persons (only family members and in conjunction with a season ticket)	35.-
Day tickets	
• Day ticket	35.-
• for students, trainees, pupils, pensioners, unemployed and severely disabled persons	6.-

ORGANISERS OF ACHEMA

**DECHEMA**

Gesellschaft für Chemische Technik
und Biotechnologie e.V.

and

DECHEMA

Ausstellungs-GmbH

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Exhibitors: -700

Lectures: -254

Visitors: -750

Press: -277, -296

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Travel agencies and contact addresses in other countries can be found on the Internet at

www.achema.de → Visitor Service → Travel information.