

8th International Exhibition-Congress on Chemical Engineering and Biotechnology

第 8 届 国际化学工程和生物技术展览暨会议

ACHEMASIA 2010

June 1 – 4, 2010, Beijing/PRC
2010 年6 月1 日- 4 日, 北京



Congress Programme Visitor Handbook

www.achemasia.de

Status: April 15, 2010

Organizers

DECHEMA
Society for Chemical Engineering and Biotechnology e.V.

CIESC
Chemical Industry and Engineering Society of China

Co-Organizer

CIATA
China Industry Anticorrosion Technology Association

Supporting Institutions

National Development and Reform Commission (NDRC)
China Association for Science and Technology (CAST)
China Council for the Promotion of International Trade (CCPIT)
China Petroleum and Chemical Industry Association (CPCIA)
China National Petroleum Corporation (CNPC)
SINOPEC China Petro-Chemical Corporation
China National Offshore Oil Corporation (CNOOC)
ChemChina China National Chemical Corporation
China International Trust and Investment Corporation (CITIC)
China National Chemical Construction Corporation (CNCCC)
China National Center for Biotechnology Development (CNCBD)
Chinese Society of Biotechnology (CSBT)
China National Petroleum and Chemical Planning Institute (NPCPI)
China National Textile and Apparel Council (CNTAC)
China National Pharmaceutical Foreign Trade Corporation
China National Chemical Information Center (CNCIC)
Membrane Industry Association of China (MIAC)
China National Convention Center (CNCC)
Shanghai Society of Chemistry and Chemical Industry
China National Technical Committee on Standardisation of Anticorrosion
Society of Chemical Engineers, Japan
Asian Pacific Confederation of Chemical Engineering (APCChe)
Interamerican Confederation of Chemical Engineering
GIFIC (French Association of Suppliers of the Chemical Industry)
Association for Laboratory Automation (ALA)
VDMA Verband Deutscher Maschinen- und Anlagenbau
European Federation of Chemical Engineering
European Federation of Biotechnology
European Federation of Corrosion

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(* Congress programme is a subject to change)

Congress Programme (as of April 15, 2010)

The programme consists of

Plenary and Keynote Lectures

Leading scientists and industrialists give their view on trends in their field and business opportunities.

Developments for Industrial Application

Experts from industrial companies and academic research institutes, from China as well as from abroad give their view on technology and industrial application options. They will discuss about actual research, present innovative developments and introduce examples for technology implementation.

New Products and Services

Exhibitors of ACHEMASIA 2010 present recent technology developments and describe their service offers.

Workshops

Two workshops will address special issues in more details:

- Advanced Nickel and Titanium Alloys for the Process Industry
Organizer: ThyssenKrupp VDM GmbH
- Advanced Heat Exchanger Technology for Process Industry
Organizer: AspenTech Ltd.

Course

A special course will provide in depth knowledge on formulation and product design:

- Formulation and Product Design in the Chemical and Pharmaceutical Industry
Organizer: DECHEMA e.V.

The congress events will take place in the direct vicinity to the exhibition hall. The plenary lectures and the New Products and Services session will take place in the Discussion Corner within the exhibition. Further details will be available in advance via internet www.achemasia.de>>congress and posted at info-points in the exhibition area.

Congress Programme (as of April 15, 2010)

(subject to change)

Plenary Lectures at a Glance

Exhibition Hall, Level 1, Discussion Corner

Tuesday, June 1, 2010

- 14.00** **Opening Ceremony at Level 1, Foyer**
- 15.30** **Thoughts on the countermeasures to realize sustainable development of refining and petrochemical industry in China**
中国炼油及石化工业可持续发展的对策思考
X. Cao, 曹湘洪院士, China Petroleum & Chemical Corporation, Beijing/PRC
- 16.15** **Sustainable supply of energy and chemical feedstocks needs diversity**
H.J. Wernicke, Süd-Chemie AG, Munich/D

Wednesday, June 2, 2010

- 11:45** **Ionic liquids and clean energy**
离子液体与清洁能源
S. Zhang, 张锁江博士, Institute of Process Engineering, Beijing/PRC
- 13.30** **Recent development of biorefineries in China**
中国生物炼制行业的最新进展
T. Tan, 谭天伟教授, Beijing University of Chemical Engineering/PRC

Thursday, June 3, 2010

- 11.45** **Industrial water recycling – challenges and limitations**
S.U. Geissen, Technical University of Berlin/D
- 13.30** **A chemical engineering view on climate and its protection**
G. Kreysa, DECHEMA e.V., Frankfurt am Main/D

All plenary lectures will be simultaneously translated Chinese/English.

Congress Programme (as of April 15, 2010)

Keynote Lectures at a Glance

Wednesday, June 2, 2010

Ionic Liquids

Exhibition Hall, Level 2, Room E233

- 9.30 **Ionic liquid as efficient tool for processes and applications**
U. Welz-Biermann, China Ionic Liquid Laboratory (CHILL), Dalian/PRC

Biotechnology

Exhibition Hall, Level 2, Room E232B

- 14.30 **From biorefinery concepts to reality – trends in Germany**
K. Wagemann, DECHEMA e.V., Frankfurt am Main/D

Thursday, June 3, 2010

Industrial Water Treatment

Exhibition Hall, Level 2, Room E231

- 14.30 **Water use in energy production: the next challenge**
P. Tanguy, J.-F. Minster, Total S.A., Paris/F

Congress Programme

Tuesday, June 1, 2010

Exhibition Hall, Level 1, Discussion Corner

14.00 Opening Ceremony at Level 1, Foyer

15.30 *Plenary Lecture*

**Thoughts on the countermeasures to realize sustainable
development of refining and petrochemical industry in China**

中国炼油及石化工业可持续发展的对策思考

X. Cao, 曹湘洪院士, China Petroleum & Chemical Corporation,
Beijing/PRC

16.15 *Plenary Lecture*

**Sustainable supply of energy and chemical feedstocks needs
diversity**

H.J. Wernicke, Süd-Chemie AG, Munich/D

Congress Programme

Developments for Industrial Application

Wednesday, June 2, 2010

Exhibition Hall, Level 2, Room E233

Ionic Liquids

- 9.30 **Keynote Lecture**
Ionic liquid as efficient tool for processes and applications
U. Welz-Biermann, China Ionic Liquid Laboratory (CHILL), Dalian/PRC
- 10.30 **Supported Ionic Liquid Phase (SILP) materials in catalysis and separation technologies**
M. Haumann, P. Wasserscheid, University of Erlangen-Nuremberg, Erlangen/D
- 11.00-11.30 **Reactivity and selectivity control in asymmetric hydrogenation reactions in CO₂-expanded ionic liquids**
W. Li, T. Höfener, J. Klankermayer, W. Leitner, RWTH Aachen University/D
- 11.45 **Plenary Lecture (Level 1, Discussion Corner)**
Ionic liquids and clean energy
离子液体与清洁能源
S. Zhang, 张锁江博士, Institute of Process Engineering, Beijing/PRC
- 12.30 **Lunch Break**

Congress Programme

Developments for Industrial Application

Wednesday, June 2, 2010

Exhibition Hall, Level 2, Room E233

Ionic Liquids

(continued)

- | | |
|-------------|---|
| 13.30-14.15 | Plenary Lecture (Level 1, Discussion Corner)
Recent development of biorefineries in China
中国生物炼制行业的最新进展
T. Tan, 谭天伟教授, Beijing University of Chemical Engineering/PRC |
| 14.30 | Radiochemical stability of imidazolium-based ionic liquids under gamma irradiation
<u>G. Wu</u> , W. Huang, M. Qi, H. Fu, Shanghai Institute of Applied Physics/PRC |
| 15.00 | Recent progress on industrial preparation of bis(fluorosulfonyl)imide salts and their application in ionic liquids
K. Liu, H. Han, S. Feng, Y. Zhou, J. Nie, Huazhong University of Science and Technology, Wuhan/PRC; M. Armand, CNRS, Amiens/F; <u>Z. Zhou</u> , Huazhong University of Science and Technology, Wuhan/PRC |
| 15.30 | Oxidation of glycerol in supercritical water
M. Knez Hrnčič, M. Skerget, L. Ilič, <u>Z. Knez</u> , University of Maribor/SLO |
| 16.00 | Supercritical carbon dioxide technologies
L. Stenmark, Chematur Engineering AB, Karlskoga/S |

Congress Programme

Developments for Industrial Application

Wednesday, June 2, 2010

Exhibition Hall, Level 2, Room E232B

Biotechnology

- 9.30 **Research on isolation, identification and degradation characteristics of acetochlor degradation bacterium**
乙草胺降解菌的分离、鉴定及其降解特性研究
F. Wang, Research Center for Eco-Environmental Sciences & Beijing University of Chemical Technology/PRC; A. Lin, Beijing University of Chemical Technology/PRC
- 10.00 **The influence of the carbon source on the formation of the carotenoidic pigment - torularhodin- in the yeast *Rhodotorula rubra***
C. Ungureanu, M. Ferdes, A.A. Chirvase, University Politehnica of Bucharest/RO; E. Mocanu, The National Institute for Chemical Pharmaceutical Research and Development ICCF, Bucharest/RO
- 10.30 **The use of microchannel reactors for steroid biotransformation: *in-situ* product formation and recovery**
M.P.C. Marques, P. Fernandes, J.M.S. Cabral, Instituto Superior Técnico (IBB), Lisboa/P; P. Znidarsic-Plazl, I. Plazl, University of Ljubljana/SLO
- 11.00-
11.30 **Purification of biologicals and nutraceuticals using high performance chromatography resins**
P.K. Ng, M.A. Snyder, Bio-Rad Laboratories, Hercules, CA/USA
- 11.45 ***Plenary Lecture (Level 1, Discussion Corner)***
Ionic liquids and clean energy
离子液体与清洁能源
S. Zhang, 张锁江博士, Institute of Process Engineering, Beijing/PRC
- 12.30 **Lunch Break**

Congress Programme

Developments for Industrial Application

Wednesday, June 2, 2010

Exhibition Hall, Level 2, Room E232B

Biotechnology

(continued)

13.30- 14.15	<i>Plenary Lecture (Level 1, Discussion Corner)</i> Recent development of biorefineries in China 中国生物炼制行业的最新进展 T. Tan, 谭天伟教授, Beijing University of Chemical Engineering/PRC
14.30	<i>Keynote Lecture</i> From biorefinery concepts to reality – trends in Germany K. Wagemann, DECHEMA e.V., Frankfurt am Main/D
15.30	Electrodialysis as unit operation in the continuous biotechnological production of itaconic acid out of green biomass <u>M. Gloede</u> , T. Melin, RWTH Aachen University/D
16.00	New developments in lactic acid technology <u>W. Tietz</u> , J. Schulze, Uhde GmbH, Leipzig/D

Congress Programme

Developments for Industrial Application

Wednesday, June 2, 2010

Exhibition Hall, Level 2, Room E231

Clean Energy and Sustainable Production

- 9.30 **Meeting Asia's clean energy demand with PRENFLO coal gasification for CTL and IGCC**
K. Radtke, Uhde GmbH, Dortmund/D
- 10.00 **CO₂ capture in IGCC system by novel physical absorbents**
D. Zheng, L. Dong, X. Du, X. Wu, Beijing University of Chemical Technology/PRC
- 10.30 **Süd-Chemie's catalytic technologies for coal to energy & chemicals**
X. Hu, Süd-Chemie China, Shanghai/PRC; L. Xu, Süd-Chemie AG, Munich/D
- 11.00-
11.30 **Case study of climate check for chemical industries**
拜耳气候检测工具在化工行业应用案例
H. Huang, D. Heinz, B. Li, Bayer Technology and Engineering (Shanghai) Co., Ltd./PRC; H. Kahnis, Bayer Technology Services GmbH, Leverkusen/D
- 11.45

Plenary Lecture (Level 1, Discussion Corner)
Ionic liquids and clean energy
离子液体与清洁能源
S. Zhang, 张锁江博士, Institute of Process Engineering, Beijing/PRC
- 12.30 **Lunch Break**

Congress Programme

Developments for Industrial Application

Wednesday, June 2, 2010

Exhibition Hall, Level 2, Room E231

Clean Energy and Sustainable Production (continued)

- | | |
|-------------|--|
| 13.30-14.15 | <p>Plenary Lecture (Level 1, Discussion Corner)
Recent development of biorefineries in China
中国生物炼制行业的最新进展
T. Tan, 谭天伟教授, Beijing University of Chemical Engineering/PRC</p> |
| 14.30 | <p>New technologies for resource efficient innovations - results from current studies
N. Pastewski, D. Heubach, Fraunhofer Institute for Industrial Engineering, Stuttgart/D</p> |
| 15.00 | <p>Modular microreaction system - high performance flow chemistry for R&D and production
高效连续化工过程 - 模块化微反应系统在研发和生产中的应用
T. Liu, D. Heinz, Bayer Technology and Engineering (Shanghai) Co. Ltd./PRC; S. Buchholz, K. Tellmann, L. Mleczko, Bayer Technology Services GmbH, Leverkusen/D</p> |
| 15.30 | <p>Effect of reaction condition for autothermal reforming of the simulated biogas to syngas
反应条件对模拟生物沼气自热重整制合成气的影响
D. Sun, X. Li, S. Ji, L. Cao, Beijing University of Chemical Technology/PRC</p> |
| 16.00 | <p>Vapor-liquid equilibria study and process energy integration for ethylene recovery from refinery gas
D. Zheng, J. Guo, X. Wu, W. Deng, Beijing University of Chemical Technology/PRC</p> |

Congress Programme

New Products and Services

Wednesday, June 2, 2010

Exhibition Hall, Level 1, Discussion Corner

- 9.30 **Reduction of significant utilities consumption by innovative heat integration between chlorine and EDC processes**
S. Petersen, Uhde GmbH, Bad Soden/D
- 9.45 **Uhde innovative plant solutions to use raw materials and energy sources more efficiently**
B. Leistenschneider, Uhde Beijing Representative Office/PRC
- 10.00 **Inotec - a revolutionary new technology for low emission metal casting**
M. Arndt-Rosenau, J. Brotzki, J. Müller, Ashland-Südchemie-Kernfest GmbH, Hilden/D; H.-C. Saewert, WD-Gießereitechnik GmbH, Fuldabrück-Bergshausen/D
- 10.15 **Environmental protection and energy saving with a new generation of dry screw pumps**
P. Littlewood, Busch Vacuum (Shanghai) Co., Ltd./PRC
- 10.30 **UHDENORA S.p.A. leading industrial electrochemistry through innovation**
A. Delfrate, UHDENORA S.p.A., Milan/I
- 10.45 **Oschatz incineration and boiler systems for high performance heat recovery**
A. Albrecht, Oschatz GmbH, Essen/D
- 11.00-
11.15 **The application of Zirconium and Zirconium alloys for use in organic media**
R. Sutherland, ATI Wah Chang, Albany, OR/USA
- 11.45 ***Plenary Lecture (Level 1, Discussion Corner)***
Ionic liquids and clean energy
离子液体与清洁能源
S. Zhang, 张锁江博士, Institute of Process Engineering, Beijing/PRC
- 12.30 **Lunch Break**
- 13.30-
14.15 ***Plenary Lecture (Level 1, Discussion Corner)***
Recent development of biorefineries in China
中国生物炼制行业的最新进展
T. Tan, 谭天伟教授, Beijing University of Chemical Engineering/PRC

Congress Programme

New Products and Services

Wednesday, June 2, 2010

Exhibition Hall, Level 1, Discussion Corner

- 14.30 **Partnership project with Chinese API manufacturer**
M. Giovinazzi, Janssen Pharmaceuticals (part of J&J group), Geel/B
- 14.45 **Post-merger integration and operational excellence in multinational operations (in China)**
D. Maass, Management Engineers GmbH & Co. KG, Duesseldorf/D
- 15.00 **Long term relationship between owner/operator and engineering contractor, a look from both sides**
B. Riedel, Degussa Evonik (China) Company Ltd., Beijing/PRC; M. Silva, MaisonWorleyParsons, Beijing/PRC
- 15.15 **Tailored maintenance services for industrial plants**
O. Kos, Uhde Services GmbH, Halter am See/D
- 15.30 **The study on the analysis method for determination of 417-F phosphate-free corrosion by HPLC**
高效液相色谱法测定417-F型无磷缓蚀剂的方法研究
Y. Wu, C. Wang, L. Qi, L. Tao, J. Chen, CNOOC Tianjin Chemical Research and Design Institute/PRC
- 15.45 **Production automation and control in the fine chemical industry**
P. Paap, Vanwyk Systems B.V., Oldenzaal/NL
- 16.00 **Simplified calibration and validation in TOC and COD measurement - precise TOC measuring in condensate, boiler feed water, and further industrial applications**
W. Arts, LAR Process Analysers AG, Berlin/D; F. Yang, LAR Process Analysers (Hangzhou) Co., Ltd./PRC
- 16.15 **On-line COD measurement without second pollution**
W. Arts, LAR Process Analysers AG, Berlin/D; F. Yang, LAR Process Analysers (Hangzhou) Co., Ltd./PRC
- 16.30 **Process water treatment by dryer heated evaporators**
W. Hansen, GEA Wiegand GmbH, Ettlingen/D
- 16.45 **Gas scrubbing plants for process and environmental technology**
W. Hansen, GEA Wiegand GmbH, Ettlingen/D

Congress Programme

Developments for Industrial Application

Thursday, June 3, 2010

Exhibition Hall, Level 2, Room E232A

Catalytic Processes

- 9.30 **Preparation of sodium salt-Mn/SiO₂/cordierite monolithic catalysts and their performances for oxidative coupling of methane**
钠盐-Mn/SiO₂/堇青石整体式催化剂的制备及其甲烷氧化偶联反应性能
W. Wang, S. Ji, D. Pan, Beijing University of Chemical Technology/PRC
- 10.00 **The difference of catalytic activity over nickel phosphide powder and monolithic catalysts for hydrodesulfurization**
Y. Guo, P. Zeng, S. Ji, N. Wei, H. Liu, C. Li, Beijing University of Chemical Technology/PRC
- 10.30 **Optimization of catalytic materials and technologies for sustainable development**
J. Margitfalvi, L. Végvári, Combitech-Nanotech Kft., Budapest/H;
A. Tompos, Hungarian Academy of Sciences, Budapest/H
- 11.00-
11.30 **Catalyst development for hydro-isomerization of petroleum fractions using nano-science and nano-technology**
U. Ray Chaudhuri, University of Calcutta, Kolkata/IND
- 11.45 ***Plenary Lecture (Level 1, Discussion Corner)***
Industrial water recycling – challenges and limitations
S.U. Geissen, Technical University of Berlin/D
- 12.30 **Lunch Break**

Congress Programme

Developments for Industrial Application

Thursday, June 3, 2010

Exhibition Hall, Level 2, Room E232A

Catalytic Processes

(continued)

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|-----------------|--|
| 13.30-
14.15 | Plenary Lecture (Level 1, Discussion Corner)
A chemical engineering view on climate and its protection
G. Kreysa, DECHEMA e.V., Frankfurt am Main/D |
| 14.30 | The Evonik-Uhde-HPPO process for propylene oxide production - first successful commercial scale plant implementation
<u>S. Petersen</u> , Uhde GmbH, Bad Soden/D; B. Kolbe, Uhde GmbH, Dortmund/D; N. Bredemeyer, Uhde GmbH, Ennigerloh/D; N. Ullrich, Uhde GmbH, Dortmund/D; B. Jaeger, M. Bärz, Evonik Industries, Hanau/D |
| 15.00 | The study of automatic micro-reactor for catalyst evaluation
全自动微型催化剂评价装置的研制
<u>F. Cai</u> , J. Wang, B. Wang, Shandong Academy of Sciences, Jinan/PRC |
| 15.30 | Visualization of multi-dimensional experimental spaces - different case studies in combinatorial catalysis research
<u>J. Margitfalvi</u> , L. Végvári, Combitech-Nanotech Kft., Budapest/H;
A. Tompos, Hungarian Academy of Sciences, Budapest/H |

Congress Programme

Developments for Industrial Application

Thursday, June 3, 2010

Exhibition Hall, Level 2, Room E232B

Laboratory Automation

organised by



- 9.30 **Microengineered hydrogels for tissue engineering and stem cell bioengineering**
A. Khademhosseini, Harvard-Massachusetts Institute of Technology, Cambridge, MA/USA
- 10.00 **Nanodiamond-based chemotherapeutic delivery platforms**
D. Ho, Northwestern University, Evanston, IL/USA
- 10.30 **Microfluidic acoustically-activated air-liquid cavities for on-chip integration of sample preparation and sample detection**
A. Lee, A. Tovar, Y. Okabe, M. Patel, University of California, Irvine, CA/USA
- 11.00-
11.30 **RainDance Technologies - multiplexing assays with droplet libraries**
D. Link, RainDance Technologies, Lexington, MA/USA
- 11.45

Plenary Lecture (Level 1, Discussion Corner)
Industrial water recycling – challenges and limitations
S.U. Geissen, Technical University of Berlin/D
- 12.30 **Lunch Break**

Congress Programme

Developments for Industrial Application

Thursday, June 3, 2010

Exhibition Hall, Level 2, Room E232B

Laboratory Automation

(continued)

- | | |
|-------------|---|
| 13.30-14.15 | Plenary Lecture (Level 1, Discussion Corner)
A chemical engineering view on climate and its protection
G. Kreysa, DECHEMA e.V., Frankfurt am Main/D |
|-------------|---|
- 14.30 **Development of mass spectrometry technologies for fast and autonomous chemical analysis**
Z. Ouyang, R.G. Cooks, J. Liu, H. Wang, G. Huang, N.E. Manicke, Purdue University, West Lafayette, IN/USA
- 15.00 **Rapid chemical detection and identification with a hand held device**
G. Kaigala, J. Santiago, M. Bercovici, S.S. Bahga, Stanford University, CA/USA; M. Behnam, D. Elliott, C.J. Backhouse, University of Alberta, Edmonton/CDN
- 15.30 **A 5-in-1 bioprocessor for electrokinetic sample preparation and electrochemical detection**
P.K. Wong, M.L.Y. Sin, H.C. Chen, Y. Lu, University of Arizona, Tucson, AZ/USA; V. Gau, GeneFluidics Inc., Monterey Park, CA/USA; J.C. Liao, Stanford University, CA/USA
- 16.00 **Exploring energy and environmental applications of carbon nanotubes**
A. Cao, Peking University/PRC

Congress Programme

Developments for Industrial Application

Thursday, June 3, 2010

Exhibition Hall, Level 2, Room E231

Industrial Water Treatment

- 9.30 **Research on ammonia-nitrogen wastewater treatment by modified biological aerated filter**
改进曝气生物滤池处理氨氮废水的试验研究
H. Zhao, C. Xie, H. Teng, S. Zheng, J. Chen, CNOOC Tianjin Chemical Research & Design Institute/PRC; S. Fu, Z. Shan, X. Ke, China BlueChemical Ltd., Hainan/PRC
- 10.00 **Application of concentration and separation of adsorption - biochemical combined process in industrial organic wastewater treatment**
吸附浓缩分离—生物再生组合工艺在工业有机废水处理中的应用
X. Gu, H. Teng, S. Zheng, J. Chen, CNOOC Tianjin Chemical Research & Design Institute/PRC; J. Zhou, Dalian University of Technology/PRC; L. Li, Z. Huang, CNOOC Tianjin Chemical Research & Design Institute/PRC
- 10.30 **Industrial wastewater technology-tailor-made concepts and economic implementation across the globe**
拜耳工业废水处理技术 - 量身定做 , 受益全球
S. Weng, J. Xiumei, D. Heinz, Bayer Technology and Engineering (Shanghai) Co., Ltd./PRC; T. Erwe, D. Ulrich, Bayer Technology Services GmbH, Leverkusen/D
- 11.00-11.30 **Value creation through water treatment in key growth industries**
R. Elisio, R. Hodgson, A. Opperman, C. Riemer, Süd-Chemie Water & Process Technologies (Pty) Ltd., Chloorkop/ZA
- 11.45 **Plenary Lecture (Level 1, Discussion Corner)**
Industrial water recycling – challenges and limitations
S.U. Geissen, Technical University of Berlin/D
- 12.30 **Lunch Break**

Congress Programme

Developments for Industrial Application

Thursday, June 3, 2010

Exhibition Hall, Level 2, Room E231

Industrial Water Treatment

(continued)

13.30-14.15	Plenary Lecture (Level 1, Discussion Corner) A chemical engineering view on climate and its protection G. Kreysa, DECHEMA e.V., Frankfurt am Main/D
14.30	Keynote Lecture Water use in energy production: the next challenge P. Tanguy, J.-F. Minster, Total S.A., Paris/F
15.30	Hydrogen production from lower concentration formaldehyde wastewater over Cu/Fe₃O₄@SiO₂ core-shell catalysts Cu/Fe ₃ O ₄ @SiO ₂ 核-壳催化剂上低浓度甲醛废水制氢的研究 J. Ji, S. Ji, W. Yang, H. Liu, Beijing University of Chemical Technology/PRC
16.00	Research on inhibition performance of a new fatty amide derivative inhibitor in circulation cooling water 新型脂肪酰胺类缓蚀剂在循环冷却水中的缓蚀性能研究 L. Tao, C. Wang, L. Qin, Y. Wu, J. Chen, CNOOC Tianjin Research and Design Institute of Chemical Industry/PRC

Congress Programme

New Products and Services

Thursday, June 3, 2010

Exhibition Hall, Level 1, Discussion Corner

- 9.30 **Continuous innovation in centrifuge technology**
L. Meister, J. Glarner, Ferrum AG, Rapperswil/CH
- 9.45 **Achieving maximum containment whilst retaining a high degree of flexibility using vertical basket bottom discharge centrifuges**
L. Meister, J. Glarner, Ferrum AG, Rapperswil/CH
- 10.00 **BECOPAD. A new dimension of depth filtration**
H. Liu, Shanghai Jiao Tong University/PRC
- 10.15 **Tower internals for gas cleaning processes and multi-purpose chemical batch distillations**
W. Geipel, M. Lehner, U. Franz, RVT Process Equipment GmbH, Steinwiesen/D
- 10.30 **Simulation of a hydro-isomerization plant flow sheet using sequential modular method**
U. Ray Chaudhuri, University of Calcutta, Kolkata/IND
- 10.45 **Successful scale-up of microstructured reactors for production purpose using brazing technique**
B. Werner, P. Löb, T. Illg, C. Schütt, C. Hofmann, V. Hessel, Institut für Mikrotechnik Mainz GmbH/D
- 11.00-11.15 **Innovative cleaning technologies in the pharmaceutical and food industries**
H. Lutz, Lechler GmbH, Metzingen/D
- 11.45

Plenary Lecture (Level 1, Discussion Corner)
Industrial water recycling – challenges and limitations
S.U. Geissen, Technical University of Berlin/D
- 12.30 **Lunch Break**

Congress Programme

New Products and Services

Thursday, June 3, 2010

Exhibition Hall, Level 1, Discussion Corner

- | | |
|-------------|---|
| 13.30-14.15 | Plenary Lecture (Level 1, Discussion Corner)
A chemical engineering view on climate and its protection
G. Kreysa, DECHEMA e.V., Frankfurt am Main/D |
|-------------|---|
- 14.30 **Microwave drying in high-end technology**
P. Pueschner, Pueschner GmbH + Co. KG, Schwanewede/D
- 14.45 **AchemAsia Congress Syllabus in 2010**
C. Wang, L.B.T.(Shanghai) Laboratory Equipment Co., Ltd./PRC
- 15.00 **Innovation activity in Russia in the field of science, technique and technology**
T. Golashvili, P. Shchedrovitsky, I. Leshukov, V. Olkhov, M. Mulyukov, ENPRAN Joint Stock Company (Energy & Industry Analytica), Moscow/RUS
- 15.15 **Improved economics in production and processing of PET resin with MTR[®] technology**
M. Schircks, Uhde Inventa-Fischer AG, Domat/CH; A. Grundmann, Uhde Inventa-Fischer GmbH, Berlin/D
- 15.30 **Electronic documentation increases the effectiveness of plants - Goodbye to the paperwork mountains**
M. Dubovy, Rösberg Engineering GmbH, Karlsruhe/D
- 15.45 **Application and benefits of simulation in process automation**
O. Lorenz, Siemens AG, Karlsruhe/D; J. Hess, Siemens AG, Frankfurt am Main/D
- 16.00 **Advanced process control in distributed control systems - requirements, methods and tools, illustrated by industrial examples**
O. Lorenz, B.-M. Pfeiffer, Siemens AG, Karlsruhe/D
- 16.15 **Innovative project approach in pharmaceutical industry**
T. Jaskolski, M+W Singapore Pte. Ltd./SGP
- 16.30 **In-line flame arrester application limits for flashback protection from thermal combustion units considering the new ISO 16852 Standard**
ISO16852关于使用在焚烧系统中的管道阻火器的应用规范
Y. Zhang, T. Hembach, Protego China, Shanghai/PRC
- 16.45 **Advancements in fluoropolymer lined piping systems**
D. Yanik, Crane ChemPharma Flow Solutions, Cincinnati, OH/USA;
M. Poh, Crane ChemPharma Flow Solutions Singapore/SGP

Congress Programme

Developments for Industrial Application

Friday, June 4, 2010

Exhibition Hall, Level 2, Room E232A

Advanced Materials

- 10.00 **Effects of filler contents and types on thermal stability of highly filled wood/PP composites**
木纤维颗粒填充比例与类型对高填充比木材/聚丙烯复合材料热稳定性能的影响
L. Xie, Clausthal University of Technology/D; T. Grueneberg, University of Goettingen/D; S. Kirchberg, L. Steuernagel, G. Ziegmann, Clausthal University of Technology/D; H. Miltz, University of Goettingen/D
- 10.30 **Effect of cetyltrimethylammonium bromide dispersant on the fabrication process of titania coatings on ZnS-type phosphors by a sol-gel method**
溶胶-凝胶法在硫化锌荧光粉表面包覆二氧化钛薄膜过程中十六烷基三甲基溴化铵分散剂的影响
J. Yuan, M. Yang, Beijing University of Chemical Technology/PRC
- 11.00 **Membrane-based removal of sulfur aromatic compounds from jet fuel**
R. Konietzny, I. Bettermann, C. Staudt, University of Duesseldorf/D

Congress Programme

Developments for Industrial Application

Friday, June 4, 2010

Exhibition Hall, Level 2, Room E232B

Process Control

- 10.00 **H₂S and CS₂ analysis for gas emission control in a paper mill**
F. Amiet, M. Robert, Chromatotec Group, Saint-Antoine/F
- 10.30 **Miniaturization at retained performance: FT-IR spectroscopic quality control by hand-held instrumentation**
H. Siesler, University of Duisburg-Essen, Essen/D
- 11.00 **A multiphase based method for batch process monitoring**
Y. Meng, W. Sun, Beijing University of Chemical Technology/PRC
- 11.30 **A multi-scale statistical method for process monitoring**
Y. Liu, W. Sun, Beijing University of Chemical Technology/PRC

Guest Events / Workshop

Wednesday, June 2, 2010

Exhibition Hall, Level 2, Room E232A

ThyssenKrupp VDM Customer Day - Advanced Nickel and Titanium Alloys for the Process Industry -

ThyssenKrupp VDM GmbH is a leading manufacturer of high-performance nickel alloys, high-alloy stainless steels, Titanium and Zirconium. These high-performance materials play a vital role in the chemical process industry, in power generation and in maritime technology. The workshop is intended as a contribution to the progress of our customers providing a platform for a broad exchange of information and experience.

- 9.30 **TK VDM Company Presentation**
D. Wang, ThyssenKrupp VDM Hong Kong Ltd./PRC
- 10.00 **Corrosion resistant Nickel and Titanium alloys for CPI and related applications - an overview**
H. Alves, ThyssenKrupp VDM GmbH, Werdohl/D
-
- 11.00 Coffee Break
-
- 11.30 Guest Presentation Chemical Industry
Nickel alloys for safe handling of highly corrosive media
G.B. Rao, B. Schrieck, BASF China Co. Ltd., Beijing/PRC and
J. Korkhaus, BASF SE, Ludwigshafen/D
- 12.15 **Nickel alloys for the energy of the future**
J. Klöwer, ThyssenKrupp VDM GmbH, Altena/D
-
- 13.00 Lunch
-
- 14.00 Guest Presentation Chemical Industry
The application of alloy 59 in a acetic anhydride project
X. Zhang, Shanghai Coking and Chemical Co. Ltd./PRC
- 14.45 **Fabrication and welding of high performance Nickel and Titanium alloys**
M. Wolf, ThyssenKrupp VDM GmbH, Altena/D
- 15:45 Discussion (open end)

(All presentations of this workshop will be translated English-Chinese and Chinese-English.)

Guest Events / Workshop

Thursday, June 3, 2010

Exhibition Hall, Level 2, Room E233

Advanced Heat Exchanger Technology for Process Industry

Introduction

High performance heat exchangers using compact and enhanced heat transfer technology provide advanced heat exchange solutions to process heat transfer needs. Compact heat exchangers have long been used in many niche areas such as cryogenics, and the food and automobile industries. The cryogenics area includes typical process industry applications of air separation, ethylene plants and LNG plants. With recent developments in manufacturing technology compact heat exchangers are increasingly challenging conventional shell and tube exchangers in other mainstream process industry applications. This, in turn, has stimulated developments in conventional technology. Both developments, in conventional and non-conventional heat exchangers, have increased the number of cost effective solutions that a process engineer can use to address industrial heat transfer problems. The course is specially designed for participants with process industry background, and covers heat transfer from the process perspective.

You should attend the Workshop if you are:

- Practicing process engineer new to this subject or wanting to extend process heat transfer knowledge
- Researcher interested in advances in heat exchanger technology
- Thermal specialist desiring to explore alternative technologies to conventional shell and tube heat exchangers
- Professional interested in practical industrial aspects of advances in process heat exchanger technology

You will learn about:

- Advances in heat exchanger technology, particularly compact heat exchangers
- Different types of commercially available compact heat exchangers along with the examples of industrial applications
- Plate-fin heat exchanges used in "Cold-Box"
- Basic design information for plate type and plate-fin exchangers and their design and simulation using commercial software tools
- Assessing plate heat exchanger as an alternative to shell and tube exchanger
- Integrating detailed heat exchanger simulation in industry standard process simulators
- General overview of enhanced heat transfer technology and details of enhanced shell and tube exchangers

Guest Events / Workshop

Workshop Timing

The workshop will begin with registration at 9.30 h and finish at 16.30 h with concluding discussion. For detailed course timetable please contact the course leader (Vishwas.Wadekar@Aspentech.com).

Workshop Registration

There is no workshop registration fee but you are strongly recommended to register for the course. The registered participants will be sent the course timetable which will provide detailed breakdown of the topics covered in the course. Please contact the course leader on, Vishwas.Wadekar@Aspentech.com if you need any further information.

Workshop Leader

Dr Wadekar is Technology Director-HTFS Research at Aspen Technology. Currently he chairs the Aspen HTFS Industrial Review Panel on Compact Heat Exchangers and has been working in the field of industrial heat transfer for more than 25 years, specializing in compact exchangers and enhanced heat transfer. He has lectured internationally and presented numerous training courses related to advances in heat exchanger technology, covering compact and other exchanger types.

Guest Events

Wednesday, June 2 -- Thursday, June 3, 2010

Exhibition Hall, Level 2, Room E235 + E236A+B

2010 Pharmaceutical Engineering International Forum

German Vogel Media's magazine PROCESS and DECHEMA e.V. will jointly hold the 2010 Pharmaceutical Engineering International Forum from June 2-3, 2010 at China National Convention Center (CNCC), Beijing.

Officials from U.S. FDA, EU EMEA, SFDA and experts from global pharmaceutical engineering field will be invited to the Forum which is divided into four branch forums about Validation, Aseptic Production, Project Management and GAMP 5. The Officials and experts will make exploration about GMP laws and regulations, engineering philosophy, project management experiences and cases of typical engineering projects, and share with audiences their experiences in engineering and cases of latest projects in the Asian-Pacific area.

Sponsors strive one unprecedented grand meeting for global pharmaceutical engineering elite and also an open platform for global value sharing and information exchange specially designed for pharmaceutical engineering people.

Course

Thursday, June 3, 2010

Exhibition Hall, Level 2, Room H4-1-3

Formulation and Product Design in the Chemical and Pharmaceutical Industry

Formulation and product design technologies are extensively used to adjust Product Properties according to the requirements of the customers. These technologies comprise for example encapsulation techniques or classical unit operations in respect to determine product properties like mechanical stability or wettability. Participants will receive an extensive documentation of all lectures and demonstrations.

Course Programme:

9.30	Welcome Basics of product design	W. Meier, DECHEMA e.V., Frankfurt am Main/D U. Bröckel, Umweltcampus Birkenfeld/D
10.30	Selected technologies: Agglomeration Encapsulation techniques Emulsion technologies	U. Bröckel, Umweltcampus Birkenfeld/D W. Meier, DECHEMA e.V., Frankfurt am Main/D
11.45	Break for plenary lectures Lunch	
14.15	Additives	U. Bröckel, Umweltcampus Birkenfeld/D
15.00	Product examples	W. Meier, DECHEMA e.V., Frankfurt am Main/D
15.45	Software tools	R. Sass, DECHEMA e.V., Frankfurt am Main/D
16.30	End and adjournment	U. Bröckel, W. Meier, R. Sass

The number of participants is limited to 30 persons. Please register via <http://www.achemasia.de/product>. Fee for participation is EUR 400.

General Information

Venue

CNCC China National Convention Center
No. 7 Tianchen East Road
Chaoyang District
100105 Beijing, PR China

The CNCC is located at the centre of the Olympic Green, next to the Bird Nest (China National Stadium) and north of the Water Cube (National Aquatics Center) on the fourth ring road in the northern part of Beijing.

Car Park: The venue has car parking available.

Subway: The CNCC is accessible by the subway using subway line 8, Olympic Park Station, Exit E or A1

Arriving by Taxi: Beijing's taxi drivers are not always familiar with the access roads into the new Olympic site and CNCC. Please print the map of venue attached and give this to your taxi driver to ensure your efficient arrival to ACHEMASIA.

For more information please visit www.cnccchina.com.

Please find traffic links and an exhibition ground plan on page 42.

Opening Hours for Visitors

1 June	14.00 - 17.00
2 - 3 June	09.00 - 17.00
4 June	09.00 - 12.30

Registration

There is free admission to ACHEMASIA exhibition and congress. Please register online at: www.achemasia.de>>Exhibition>>Visitor Day Tickets and print your personal day ticket.

Travel Agent

For travel arrangements, please contact the official ACHEMASIA travel agent:

ITC International Travel Concept GmbH
Mrs. Doris Rottmann-Doelger
Rödelheimer Landstr. 75 - 85
D-60487 Frankfurt am Main
Tel.: +49 (0) 69-70 40-3 60, Fax: +49 (0) 69-70 40-36 29
E-Mail: info@itc-travel.de

ITC International Travel Concept will have a representative on the exhibition grounds who will help to change reservations, organize excursions and assist with other travel arrangements.

General Information

Hotels in Beijing

InterContinental Beijing Beichen
8 Beichen West Road, Chaoyang District
Beijing 100105, China PR
Phone: +86 10 84371188
Fax: +86 10 84371388
<http://www.ichotelsgroup.com/intercontinental/en/gb/reservations/dates-preferences/beijing-beichen>

CNCC Grand Hotel
Building 1, No. 8 Precincts
Beichen West Road, Chaoyang District
Beijing 100105, China PR
Phone: +86 10 8437 2008
Fax: +86 10 8437 0387
E-Mail: cncc@cnccchina.com
<http://www.cnccchina.com>

Marco Polo Parkside
78 Anli Road, Chaoyang District
Beijing 100101, China PR
Phone: +86 10 5963-6688
Fax: +86 10 5963-6500
<http://www.marcopolohotels.tel>

Crowne Plaza Park View Wuzhou
No.8 North Sihuanzhong Road, Chaoyang District
Beijing 100101, China PR
Phone: +86 10 84982288
Fax: +86 10 84992933
E-mail: rsvn.cppvbj@ihg.com

Celebrity International Grand Hotel
99 Anli Road, Chaoyang District
Beijing 100101, China PR
Phone: +86 10 58651166
Fax: +86 10 64962522
E-Mail: yycigh@public.bta.net.cn

Visa Applications

Foreign visitors should apply for visa to enter the People's Republic of China at the Chinese Embassy in their own countries or apply for a tourist visa through their travel agency.

For business travel an invitation letter will be required, in this case please fill in the Visa Invitation Form via http://www.achemasia.de/Congress/Visa_Invitation.html. Please proceed in due time.

Social Events

All participants are invited to the **Opening Ceremony** on **Tuesday, June 1, 2010 at 14.00 h** in front of the exhibition hall, Foyer, level 1.

The **Welcome Party** with a dinner buffet and live entertainment will take place at the Foyer of the exhibition hall, level 2 on **Tuesday, June 1, 2010 from 17.30 to 21.00 h**. Tickets can be ordered at a price of EUR 25.00 by completing and returning the registration form. However, the participation is limited. Tickets will be issued on a "first come first served" basis.

The Flying Acrobatics is performed in the Beijing Chaoyang Theater in North Road Dongsanhuan Chaoyang District. „Let us fly together“ is the motto of the show where extraordinary artistic dancing acts guarantee an unforgettable experience.

Tickets are available for **Thursday, June 3, 2010 from 19.15 to 20.30 h**. The price is EUR 20.00 per person. Participation is limited and on a "first come first served" basis. Pre-registration is obligatory with the enclosed registration form.

List of Exhibitors (as of April 9, 2010)

Exhibitor	Country	Stand
3M Pumps, Corbola	I	12S
AAAS / Science, Cambridge	GB	31V
Actreg, Shanghai	PRC	21V
Actreg, Shanghai	PRC	21W
Adam Equipment, Shanghai	PRC	1S
AIG Industrial, Nanjing	PRC	28S
Airmotec, Saint Antoine	F	18O
ALLGAIER, Uhingen	D	11P
Allied Supreme, Shanghai	PRC	34J
Altenburger Maschinen Jäckering, Hamm	D	9G
AMETEK Fluoropolymer Products, Newark	USA	15H
AMG PESCH, Nanjing	PRC	30X
API Heat Transfer, Suzhou	PRC	30P
ARCA Regler, Tönisvorst	D	12H
Argal Chemical Pumps, Dalian	PRC	34K
ARI Armaturen, SH-Stukenbrock	D	13E
Artkim Fuarcilik, Istanbul	TR	36Q
Asahi AV Valve, Shanghai	PRC	20E
Ashcroft Instrument, Wujiang	PRC	30W
atea Environmental, Shanghai	PRC	10F
AUMA Riester, Müllheim	D	11B
Autodesk, San Rafael	USA	24E
Badger Meter, Neuffen	D	5M
Baelz, Heilbronn	D	9X
BAMO Mesures, Argenteuil	F	18S
Baoji Special Steel Titanium, Baoji	PRC	3S
Barat Ceramics, Auma	D	5J
BARTEC Explosion Proof, Shanghai	PRC	14X
BASF, Ludwigshafen	D	23L
Baum Fluorplastic, Shanghai	PRC	13U
Bayer Technology and Engineering, Shanghai	PRC	27B
BEGEROW, Langenlonsheim	D	10G
Beijing Bomex Huake, Beijing	PRC	27E
Beijing Gentlehill, Beijing	PRC	17T
Beijing HaoLi Times, Beijing	PRC	21S
Beijing Kenod Liquid Equipm., Beijing	PRC	21O
Beijing OLXY Technology, Beijing	PRC	28V
Beijing Vogel Consult./Process, Beijing	PRC	21H
Beijing Zhongxing Shiqiang, Beijing	PRC	31O
Bekaert Advanced Filtration, Sprimont	B	21T
Beot Inorganic Membrane Sep., Hebei	PRC	30M
Berstscheiben Schlesinger, Schalksmühle	D	5E
Bertrams Chemical Plants, Muttenz	CH	30E
Bertrams Heatec, Pratteln	CH	30E
BGH Edelstahlwerke, Freital	D	5T
BHS, Sonthofen	D	13D
Biobase Biodustry, Jinan	PRC	3R
BKG, Münster	D	11D
Boccard, Villeurbanne	F	17S
Boerger Pumps, Singapore	SGP	5O
Bolian Filter, Tielingshi	PRC	36M
Bopp & Reuther Armaturen, Mannheim	D	10D

List of Exhibitors (as of April 9, 2010)

Exhibitor	Country	Stand
Boppard, Hong Kong	HK	17U
Braunschweiger Flammenfilter	D	5H
Bright Sheland, Shanghai	PRC	33J
BSI, La Riche	F	17M
Bühler Technologies, Ratingen	D	10E
Busch Vacuum, Shanghai	PRC	20H
BWS Technologie, Grevenbroich	D	13L
Carbone Lorraine, Pagny	F	20J
Cathay Chemical, Dalian	PRC	31W
Cathay Mechanical Seals, Kunshan	PRC	28O
Cathay Packing & Sealing, Hangzhou	PRC	20O
CCPIT, Beijing	PRC	15W
Centravis Production, Nikopol	UA	12Q
CERA SYSTEM Verschleißschutz, Hermsdorf	D	9E
CFle, Rennes	F	18L
CFV, Shanghai	PRC	34P
Changzhou Fanqun Drying Equip., Changzhou	PRC	1G
Chematur Ecoplanning, Pori	FIN	33Q
Chematur Engineering, Karlskoga	S	33Q
Chemical Engineering, Frankfurt	D	3H
Christof Group, Graz	A	23V
CIATA, Beijing	PRC	24W
CIESC, Beijing	PRC	20WA
CIMBRIA SKET, Magdeburg	D	12C
Cixi Hengli Packing & Sealing, Cixi	PRC	33L
Clestra Cleanroom, Strasbourg	F	18OA
CNCIC, Beijing	PRC	4F
COG Gehrckens, Pinneberg	D	31Q
Colossus, Shanghai	PRC	21B
Compass Bulk, Beijing	PRC	4U
Control Valve/Pump Engineer, Shanghai	PRC	1RA
CORDOUAN Technologies, Pessac	F	18M
Corrosion Materials, Baker	USA	15S
Crambeth Allen Publ., Craven Arms	GB	14G
CRANE ChemPharma, Beijing	PRC	24H
CS Combustion Solutions, Wien	A	4G
Dalian Hermetic Pump, Dalian	PRC	14B
Dalian Hualong Filter Cloth, Dalian	PRC	20Q
Dalian Tecnum, Dalian	PRC	34M
Danfoss Socla, Virey-le-Grand	F	17J
De Dietrich, Wuxi	PRC	15T
DECHEMA, Frankfurt	D	23F
descote, Feyzin	F	17SA
DESMI Pumping, Suzhou	PRC	18V
Diesel & Gas Turbine Publ., HongKong	HK	3D
DIGMESA, Ipsach	CH	33P
Ding Sheng Mech. Technology, Liuzhou	PRC	4R
Dongying Yicheng Precision, Dongying	PRC	12U
DrM, Shanghai	PRC	27X
Düker, Laufach	D	6S
DUMAG Brenner-Technologie, Wien	A	23H
DURAG, Hamburg	D	27F

List of Exhibitors (as of April 9, 2010)

Exhibitor	Country	Stand
Dürr Paintshop Systems, Shanghai	PRC	28T
Eaton Filtration, Shanghai	PRC	27H
EBRO Armaturen, Beijing	PRC	31T
EDUR Pumpenfabrik, Kiel	D	12D
EKATO, Schopfheim	D	10S
ELMESS-Thermosystemtechnik, Uelzen	D	11Q
ElringKlinger, Qingdao	PRC	11F
eltherm Elektrowärmetechnik, Burbach	D	10J
Emme Technology, Sesto San Giovanni	I	21G
EPAM Application Material, Miao Li	TW	27G
ESK Ceramics, Kempten	D	8E
FELUWA Pumpen, Mürlenbach	D	12H
Ferolite Jointings, Ghaziabad	IND	30
Ferrum, Ruppertswil	CH	23B
Festo, Shanghai	PRC	28Q
FH Lübeck, Lübeck	D	12P
FICCI, New Delhi	IND	15V
Filtrox, Shanghai	PRC	4S
Findeva, Oerlingen	CH	15L
Fine Automation, Shanghai	PRC	30V
Flottweg, Vilsbiburg	D	13H
Fluko Equipment, Shanghai	PRC	15C
Fluorten, Castelli Calepio	I	3E
FLUX-GERÄTE, Maulbronn	D	10B
Frenzelit, Bad Berneck	D	6X
FRISTAM Pumpen, Hamburg	D	10P
Fritsch, Idar-Oberstein	D	10U
Fujian Wolong Pipe, Fuzhou	PRC	30G
Funke Heat Exchanger, Changzhou	PRC	23O
Fuyang Mey Well, Hangzhou	PRC	14L
Gardner Denver Nash Machinery, Shandong	PRC	28P
Garlock, Shanghai	PRC	15E
GEA Ecoflex, Shanghai	PRC	8Q
GEA Messo, Duisburg	D	8U
GEA NIRO, Søborg	DK	8Q
GEA Process Engineering, Shanghai	PRC	8Q
GEA Process Engineering, St. Quentin	F	8Q
GEA Wiegand, Ettlingen	D	8Q
Gefa, Shenzhen	PRC	30S
GekaKonus, Eggenstein	D	8J
Gemeinschaftsstand Verlage, Frankfurt	D	31V
General Machinery Magazine, Beijing	PRC	36P
Georg Fischer Piping Systems, Shanghai	PRC	28M
Georgin, Chatillon	F	17O
GERB Vibration Control, Qingdao	PRC	5K
German Engineering Federation, Frankfurt	D	8B
German Federal Ministry of Economics, Bonn	D	8B
GKN Sinter Metals Filters, Radevormwald	D	6F
Golden Mountain, Kaohsiung	TW	30Q
Graco, Shanghai	PRC	27T
Greif Velox, Lübeck	D	13B
GSKET, Chieve	I	24V

List of Exhibitors (as of April 9, 2010)

Exhibitor	Country	Stand
Guangzhou AK Filter, Guangzhou	PRC	27V
Guangzhou Taisun, Guangzhou	PRC	1B
Guarniflon, Castelli	I	14P
Gulf Publishing, Houston	USA	31V
Haiyan New Century, Zhejiang	PRC	1A
Halifax Fan, Brighthouse	GB	31J
Hamilton Sundstrand Industrial, Shanghai	PRC	20B
Hammelmann, Oelde	D	10Q
Harvel Plastics, Easton	USA	23W
Haver & Boecker Maschinenfabrik, Oelde	D	12M
Hebei Filters, Anping	PRC	28C
Hebei Sinter Filter, Hebei	PRC	31M
helsatech, Gefrees	D	6U
Hempel Special Metals, Kowloon	HK	4J
Hengshui Haijiang Filter, Hengshui	PRC	20R
Hisina Industrial, Pingxiang	PRC	1U
Hosokawa Micron, Shanghai	PRC	33S
HTRI Heat Transfer, College Station	USA	4H
Huangguan Chemical, Pingxiang	PRC	3V
Hydac Technology, Shanghai	PRC	24M
IBL, Hamburg	D	12L
ICHEME, Rugby	GB	24G
IDT Kupferring, Annaberg-Buchholz	D	5Q
i-Fischer, Waldbüttelbrunn	D	8V
ifu, Hamburg	D	5X
IMM Inst. Mikrotechnik, Mainz	D	6J
Inevo, Caluire et Cuire	F	17R
Inkon Foshan, Foshan	PRC	30F
Intertec Hess, Neustadt	D	5B
Jäckering -> Altenburger Maschinen Jäckering		
JET Bio Filtration, Guangzhou	PRC	24O
Jianda Driers, Changzhou	PRC	15M
Jiangsu Jiuwu Hitech, Jiangsu	PRC	3J
Jiangsu Saideli, Jingjiang	PRC	14M
Jiashan East Fluorine, Jiashan	PRC	27W
Jinan SECESPOL Heat, Jinan	PRC	3L
Jing Jin Filter Press, Dezhou	PRC	17B
Jingjiang DKD Filter, Jingjiang	PRC	1H
Jord, Beijing	PRC	21X
JULABO Labortechnik, Seelbach	D	9J
KCI Publishing, Shanghai	PRC	24S
Kempchen Dichtungstechnik, Oberhausen	D	10H
KHOSLA Profil, Mumbai	IND	15X
Kind, Gummersbach	D	8X
Klaus Union, Bochum	D	12J
Klinkau, Marktobendorf	D	9F
KLOEPPER-THERM, Dortmund	D	11Q
KMPT, Vierkirchen	D	6B
KNF Neuberger, Freiburg	D	11H
Koerting, Hannover	D	8H
KOSMOS NEFT GAS, Voronezh	RUS	3T
Koy Scientific, Kaohsiung	TW	24R

List of Exhibitors (as of April 9, 2010)

Exhibitor	Country	Stand
Kreyenberg, Münster	D	11D
KSB China, Shanghai	PRC	28H
Kunshan Kinglai, Jiangsu	PRC	21Q
Lab international/BioTech international, Bruxelles	B	14C
Labom, Hude	D	6W
Land Instruments, Dronfield	GB	4O
LAR Process Analysers, Berlin	D	5W
Larox, Lappeenranta	FIN	14F
Lasco Fittings, Brownsville	USA	23W
Lechler, Metzingen	D	6K
LESER, Hamburg	D	6H
LEWA, Leonberg	D	5F
LEWA Pumps, Dalian	PRC	5F
Liaoyang Youxin Pharmaceut., Liaoyang	PRC	28J
Lödige, Gebr., Paderborn	D	11J
Lonza Engineering, Basel	CH	23H
LOT Vacuum, Gyeonggi-do	ROK	21R
Luma Sealing Material, Beijing	PRC	18T
Lurgi, Frankfurt	D	5P
Maag Pump Systems, Oberglatt	CH	31S
Maestrogen, Hsinchu	TW	36K
MAHLE Filtersysteme, Öhringen	D	5V
Manifattura Tubi Gomma, Grisignano	I	23C
Mankenberg, Lübeck	D	6Q
Marver Publicity, Strood	GB	31V
MECA INOX, Cergy	F	17L
Meccanotecnica Umbra, Campello	I	34Q
Mettler Toledo Instrument, Shanghai	PRC	15Q
Mettler Toledo International, Shanghai	PRC	14Q
MIXEL AGITATOR, Dardilly	F	17R
MiYou Group, Kunshan	PRC	11V
Modentic Valve, Nanjing	PRC	24L
Möllers, Beckum	D	13B
Montz, Julius, Hilden	D	27C
MTS Environmental, Maintal	D	8G
Mubea Automotive, Taicang	PRC	13Q
M+W, Singapore	SGP	14J
MWL Apparatebau, Grimma	D	10V
Nanjing Special Metal, Nanjing	PRC	3W
Neotek Ponsel, Guidel	F	17R
NEUMO, Knittlingen	D	6C
Nico Valves, Shanghai	PRC	4W
Ningbo Industry Seals, Ningbo	PRC	21P
Ningbo Lehui Food Machinery, Zhejiang	PRC	30T
Ningbo Vulcan Mechanical, Ningbo	PRC	3SA
Nittetsu Mining, Tokyo	J	24X
Oerlikon Barmag, Remscheid	D	12B
Orientec Industrial Developm., Beijing	PRC	23L
Osaka Stainless, Osaka	J	3M
Oschatz, Essen	D	8K
PACO Paul, Steinau	D	10X
Pallmann Maschinenfabrik, Zweibrücken	D	9P

List of Exhibitors (as of April 9, 2010)

Exhibitor	Country	Stand
Pekos Valves, Barcelona	E	31X
Penghan Machinery, Suzhou	PRC	4B
Perrin, Nidderau	D	9U
Pharmaceutical & Engineering Design, Shanghai	PRC	31V
Phönix Armaturen Bregel, Volkmarsen	D	9W
Pingxiang A&R Ceramics, Pingxiang	PRC	1W
Pingxiang Fxsino Petrochem.Packing	PRC	21QA
Plasticon, Oldenzaal	NL	4E
PLINKE, Bad Homburg	D	6D
Pneumatic Scale Angelus, Clearwater	USA	14S
Polytota , Beijing	PRC	4T
Prosim, Labege	F	17P
Pumps India, Indore	IND	31V
Püschner, Schwanewede	D	10W
Quimacova, Valencia	E	1VA
Quko Int'l Development, Kowloon	HK	23P
Reimelt Henschel, Kassel	D	24T
Renggli Laboratory, Shanghai	PRC	23Q
Rettenmaier, Rosenberg	D	13F
Rianlon ChemTech, Tianjin	PRC	14U
Richter EP, Nanjing	PRC	27O
Rigaku, Beijing	PRC	29P
Ringier Trade Media, Shanghai	PRC	4C
Ritag, Osterholz-Scharmbeck	D	5G
Rolled Alloys, Suzhou	PRC	27Q
Rösberg Engineering, Karlsruhe	D	8P
Royal Society of Chemistry, Cambridge	GB	14D
RPA Process Technologies, Nanterre	F	18Q
RS Roman Seliger, Norderstedt	D	12D
RVT Process Equipment, Steinwiesen	D	21OA
SalvisLab, Rotkreuz	CH	23Q
SAMSON, Frankfurt	D	10M
Samtech, Mannersdorf	A	33M
Sandmeyer Steel, Guangzhou	PRC	12O
Sarstedt, Nümbrecht	D	8O
Shandong Borun Process, Shandong	PRC	20D
Shanghai Bluepard, Shanghai	PRC	14O
Shanghai BRT Equipment, Shanghai	PRC	1D
Shanghai Champion Controls, Shanghai	PRC	31L
Shanghai Flow Valve & Fitting, Shanghai	PRC	36L
Shanghai Fritsch Instruments, Shanghai	PRC	4P
Shanghai Haihao Mechanical Parts	PRC	36J
Shanghai Morimatsu Pressure Vessel	PRC	23E
Shanghai RoPo Automation, Shanghai	PRC	31P
Shanghai San Chuan, Shanghai	PRC	14H
Shanghai Sower, Shanghai	PRC	20V
Shanghai Sunfilter, Shanghai	PRC	28X
Shanghai Vantage, Shanghai	PRC	15P
Shanghai Weser Machinery, Shanghai	PRC	15B
Shanghai Xichuang Powder, Shanghai	PRC	1F
Shanghai YiAi Trading, Shanghai	PRC	36R
Shanghai YiGang Seal Material, Shanghai	PRC	13S

List of Exhibitors (as of April 9, 2010)

Exhibitor	Country	Stand
Shanghai Yonshi, Shanghai	PRC	3X
Shengkai Tianjin Ceramic, Tianjin	PRC	3P
Shenyang Henyi Enterprise, Shenyang	PRC	24Q
Shenzhen Cheng Hui Tong, Shenzhen	PRC	30DA
Shenzhen Kelida, Shenzhen	PRC	14V
Siemens, Beijing	PRC	24B
Silkroad24 Trade, Shanghai	PRC	1R
Silverson Machines, Chesham	GB	13X
Sineco Consulting Company, Qingdao	PRC	13T
Sodimate, Sartrouville	F	17Q
Spectron Messer Cutting & Welding, Frankfurt	D	10O
St. Michael, Hangzhou	PRC	30D
Steuler Korrosionsschutz, Höhr-Grenzhausen	D	9V
Sulzer, Shanghai	PRC	17V
Sunshine Graphite Equipment Techn., Nantong	PRC	28K
Suzhou Hong Li Chang, Suzhou	PRC	1T
Suzhou XieLi, Suzhou	PRC	13W
Swenson Technology, Welland	CDN	1V
Swissfluid, Shanghai	PRC	36S
Taicang AGRU, Taicang	PRC	24PA
Taiwan Grace Int., Taipei	TW	27S
Taiwan Sheng Shyan, Chiayi	TW	28W
TAMI Industries, Nyons	F	18J
Tantec, Hanau	D	11U
Taylor & Francis, Philadelphia	USA	3U
TEADIT, Kufstein	A	9O
TEMA Siebtechnik, Tianjin	PRC	23J
Tethys Instruments, Meylan	F	18P
ThyssenKrupp VDM, Guangzhou	PRC	30J
Tianjin Sci Create, Tianjin	PRC	3C
Tianli Drying Equipment, Jinan	PRC	13O
Tiantai SouthWest Filter Cloth, Taizhou	PRC	34O
Todo, Töreboda	S	33O
Tokyo Rikakikai, Beijing	PRC	21PA
Topper, Shanghai	PRC	30B
Trimble, Westminster	USA	30O
Trislot, Waregem	B	14T
TUBE TEC Rohrverformung, Nistertal	D	23T
TÜV SÜD, Shanghai	PRC	28OA
Tyco Flow Control, Singapore	SGP	
Tycon Alloy, Hong Kong	HK	4M
UBIFRANCE, Paris	F	17R
Uhde, Dortmund	D	27J
Uhde High Pressure Technologies, Hagen	D	27J
Uhde Inventa Fischer, Berlin	D	27J
Vanwyk Systems, Santpoort	NL	4Q
Verdelet, Neuville-les-Dieppe	F	4V
Verder Retsch, Shanghai	PRC	27M
VIBRA MASCHINEN SCHULTHEIS, Offenbach	D	4TA
VMA Getzmann, Reichshof	D	12W
Vogelsang Maschinenbau, Essen	D	5D
Weatherly, Atlanta	USA	33Q

List of Exhibitors (as of April 9, 2010)

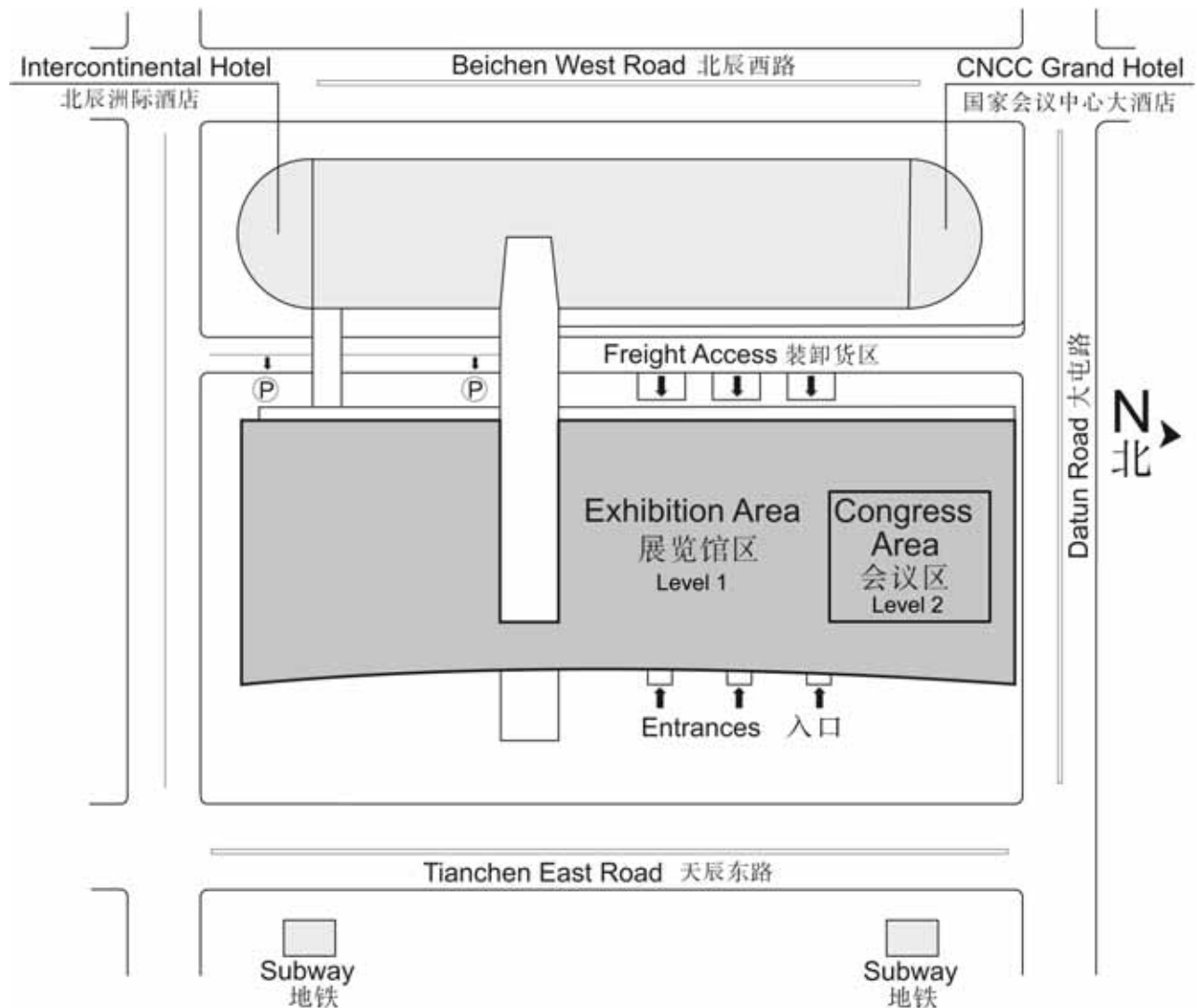
Exhibitor	Country	Stand
WEKA, Bäretswil	CH	12H
Welantech, Wien	A	36O
Wenzhou Futian, Wenzhou	PRC	27P
Wenzhou Huahai Sealing, Wenzhou	PRC	4L
WEPUKO Hydraulik, Metzingen	D	9H
Wilk Graphite, Lörrach	D	28K
Winston Engineering, Beijing	PRC	20W
WISE Control, Gyeonggi-do	ROK	12T
WITTE PUMPS, Uetersen	D	12D
Wuxi Shenco Biotechnology, Wuxi	PRC	30H
Xiamen Heads Valve, Xiamen	PRC	3G
Xian Lianyi Rubber, Xian	PRC	12X
Zeppelin Solid Technology, Beijing	PRC	24T
Zhangjiagang Huaqing, Zhangjiagang	PRC	3Q
Zhangjiagang Titan, Zhangjiagang	PRC	30C
Zhejiang Dongxin Seals, Shanghai	PRC	15U
Zhejiang Dongya, Wenzhou	PRC	24P
Zhejiang Fangdun, Wenzhou	PRC	21U
Zhejiang Feiyun Technology, Ruian	PRC	15O
Zhejiang Great Wall Reducer, Wenzhou	PRC	13V
Zhejiang Jiuli Hi-Tech Metals, Huzhou	PRC	12V
Zhejiang Linuo Valve, Wenzhou	PRC	13P
Zhengzhou Great Wall Scient.Industrial	PRC	34S
Zhuhai Longtec, Zhuhai	PRC	20P
Zhuzhou Seed Cemented Carbide, Zhuzhou	PRC	15F
Z&J Technologies, Düren	D	6V

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Until May 27, 2010

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From June 1, 2010

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