



EFCE

European Federation of Chemical Engineering
Europäische Föderation für Chemie-Ingenieur-Wesen
Fédération Européenne de Génie Chimique

NEWS AND EVENTS MAY 2016

Engines are on for the world's largest gathering of Chemical Engineers in 2017

The 10th World Congress of Chemical Engineering incorporating the 11th European Congress of Chemical Engineering and the 4th European Congress of Applied Biotechnology (WCCE10, ECCE11 and ECAB4), the largest gathering in chemical engineering, will be held from October 1st to the 5th, 2017 in Barcelona, Spain.

The Congress Theme on this occasion is Chemical and Biochemical Engineering in a Global World: "Solutions 4 Global Challenges". Organisers explain they have based their choice on the UN's Sustainability goals that address issues such as an increasing world population in a world of finite natural resources, which require ever more innovative chemical engineering to solve problems and produce new, better products. Many economic and ecological challenges of the 21st century can only be solved on a global scale and chemical engineering and related sciences will play a key role in meeting future societal needs. This event will offer the opportunity to discuss, debate and present applicable solutions.

The congress is promoted by the World Chemical Engineering Council (WCEC), the European Federation of Chemical Engineering (EFCE) and the European Society of Biochemical Engineering Sciences (ESBES) and organized by the Spanish EFCE-Group (ANQUE, SEQUI, AIQS and AEIC).

Further to the success of the last events held in Korea (2013) and in Canada (2009), more than 2,500 participants from all around the world are expected to attend.

The Congress will take place simultaneously and at the same venue as EXPOQUIMIA, the largest trade fair dedicated to chemistry in southern Europe, which is expected to attract more than 35,000 visitors.

The organizers are particularly concerned with young chemical engineers and future talent, and knowledge, education and training are the first congress topic. Specific activities of special interest both for young talent and companies will enrich that focus, looking to identify and recruit promising engineers for the future.



The events will be a unique opportunity for attendants to meet with researchers and specialists in practically all areas of chemical engineering and to improve strategies for the development of innovative processes that will be vital for the industry of tomorrow.

The venue adds an important attraction to the congresses. Spain is a beautiful country with an excellent climate and unparalleled hospitality. It is the fourth European economy, very strong in chemical engineering and a vibrant society in all respects. Barcelona is one of the world's most visited cities. Its privileged position in the Mediterranean shore, gateway and home of several ancient cultures has always represented the essence of art, culture and progress in Spain. Barcelona is the flagship city of the wealthiest region of Spain, leader in art, design, industry and lifestyle, a must visit for travellers and an endless source of inspiration.

www.wcce10.org

Welcome to the first 2016 issue of the EFCE newsletter. If you have any comments on the newsletter please get in touch.

Rafiqul Gani
EFCE President

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Who's Who

The EFCE welcomes on board its newest Members

In October 2015, the Academia Mexicana de Investigacion y Docencia en Ingeniera Quimica (AMIDIQ), the Chemical Industry and Engineering Society of China (CIESC), and the Thai Institute of Chemical Engineering and Applied Chemistry (TIChE) joined the Federation as Institutional Members. In April 2016, the EFCE Executive Board approved the application of IChemE Ireland (Ireland Branch of IChemE) to re-join the Federation as an EFCE Member Society in its own right.

Change of Chairmanship

In September 2015, Dr.-Ing. Martin Morgeneuer, Compiègne, France, was elected as the new Chair of the EFCE Working Party on Characterisation of Particulate Systems (ChoPS). He succeeds Dr. Michael Schäfer, the first Chair of this re-established Working Party, who held the position for four years.

During its meeting in 2015, the Working Party on Drying elected Prof. Angélique Léonard, Liège, Belgium, to succeed Prof. Istvan Farkas in the position of Chair of the Working Party from 1 January 2016.

In Memoriam



Prof. Dr.-Ing. Jürgen Tomas

We mourn Prof. Dr.-Ing. Jürgen Tomas, who left us on November 24, 2015 at the age of 62. We have lost an outstanding researcher, university teacher, and for many of us also a friend. Our

sympathy goes to his wife and family.

He was born in 1953 in Zerst, Germany. Prof. Tomas studied process engineering (process systems engineering) at the Institute of Technology (TH) Merseburg (1971-1975). From 1975 until 1992 he was research assistant at the Department of Mechanical Process Engineering and Mineral Processing of the Institute of Mining Technology (Bergakademie) Freiberg, where in 1982 he earned his PhD. Until 1987 he was also a consultant for designing silo plants in process industries, as well as teaching as Assistant Professor at Addis Abeba University (Ethiopia)

until 1989. In 1991, he earned his habilitation and in 1994 he received a full professorship as Chair of Mechanical Process Engineering at the Faculty of Process and Systems Engineering, Otto-von-Guericke-University Magdeburg, Germany. From 1995-1996 and 2001-2002, he was also Head of the Department of Process Engineering. In 2006 he became full member of the Saxon Academy of Science of Leipzig, and from 2006 to 2012 he was the Dean of the Faculty of Process and Systems Engineering of the University Magdeburg. Since 2009, he was coordinator of the Priority Programme 1486 "Particles in Contact - Micromechanics Microprocess Dynamics and Particle Collectives" of the German Research Foundation (DFG). In 2012, he was Deputy Secretary of the Class of Engineering Sciences of the Saxon Academy of Science, and in the same year he became a member of editorial board for Journal of Powder Technology.

Throughout his 37-year academic career, he published more than 250 peer-reviewed papers and presented 380 oral papers at conferences – over 230 of which at international conferences. Since 2005, he has chaired the Working Party "Agglomeration and bulk solids technology" of the German society for process and chemical engineering - ProcessNet (Fachausschuss "Agglomerations und Schüttguttechnik" GVC/VDI). He has been full member of the Saxon Academy of Science of Leipzig, KDT, VDI-GVC, DECHEMA, the Working Group "Comminution and classification", the Working Group "Mechanical solid-liquid separation", and the Working Party on the Mechanics of Particulate Solids of European Federation of Chemical Engineering (EFCE), where he started to collaborate very early, in 1979. He was also supervisor of more than 20 PhD students and numerous master and bachelor students.

The international scientific community loses an excellent scientist and expert in the field of bulk solids mechanics and nanoparticle technology. We will always think of him with honour.



Prof. Antonio Castellanos Mata

Prof. Antonio Castellanos Mata passed away last January, leaving a gap in the Spanish and worldwide physics community. His contribution characterised by enthusiasm, intelligence, determination and

commitment made him an important figure on international level; profound sorrow at his death was felt around the world. Our sympathy goes to his wife and family.

After graduating in Physics from the University of Valladolid in 1969 he started his PhD at that university finishing in 1972. He passed through all stages of the academic career ladder to become full professor. He worked in several well-recognized universities such as the University of Valladolid, Ohio State University, University of the Basque Country, or Autonomous University of Madrid. Finally, he got established in the University of Seville, where he worked as full professor since 1983.

His main research interests were electrohydrodynamics, electrokinetics, electrical gas discharges and granular cohesive media. In 1983 he founded the Research Group in Electrohydrodynamics of the University of Seville, and from 1989 until 2001 he was the head of the Department of Electronics and Electromagnetism of the University of Seville. In recognition of his research career, the University of Seville awarded him the 2013 FAMA Award in the area of Science.

He contributed with his knowledge participating in national and international committees such as the Board of the Liquid Section of the EPS (European Physical Society), the Microgravity Advisory Committee of the ESA (European Spatial Agency) or the Executive Committee of Electrohydrodynamics of the Dielectrics and Electrical Insulation society of the IEEE (International Electrical and Electronics Engineering Society).

During a distinguished and prolific academic career, he published almost 300 scientific papers, books and chapters of books, including some 150 papers in refereed journals. He was co-author in many patents and supervisor of a long list of PhD students, many of whom now are professors at the university and continue his work, always remembering his teaching and profound contribution of intelligence and commitment.

We will always appreciate his generosity, his collegial trust, his humor and sensitive humanity.

Prof. Franco Magelli

We are deeply sorry to inform you that Prof. Franco Magelli passed away suddenly on March 7, 2016. Franco made a significant contribution to research and teaching in the field of mixing,

EFCE Awards

The Federation has great pleasure in announcing its 2016 Excellence Award winners



Mr. Christopher Ness, M.Eng., is the winner of the 2016 EFCE Excellence Award in Mechanics of Particulate Solids. The award was presented in Nuremberg, Germany, on 20 April 2016 at PARTEC 2016.

<http://efce.info/Award+winner.html>

Dr. Stefania Cagnina has been awarded the 2016 EFCE Excellence Award in Process Safety. The Award will be presented in Freiburg, Germany, on 7 June 2016 at the 15th International Symposium on Loss Prevention and Safety Promotion in the Process Industries.

<http://efce.info/Award+winners-p-111812.html>

Dr. Michele Corbetta is the winner of the 2016 EFCE Excellence Award in Computer Aided Process Engineering (CAPE). The award will be presented in Portoroz, Slovenia, on 13 June 2016 during ESCAPE'26.

<http://efce.info/ExcellenceAwardCAPE.html>

and he was very well known in the international mixing community. His research activity on solid-liquid and gas-liquid mixing, particularly with multiple impeller systems, started at the beginning of his academic career in the 70's.

He was also an extremely active member of the mixing community in Europe since 1980 through his involvement with the Working Party on Mixing as Italian delegate and his contribution to the series of European Mixing Conferences since its inception. Franco had many collaborations in Europe and overseas, he actively participated in mixing sessions at number of World Congresses, AIChE and CHISA meetings, as well as the specialist NAMF and ISMIP conferences. He was also very active in teaching at the University of Bologna and in specialized short courses organized in Italy drawing out the importance of fluid mixing and mass transfer in many industrial processes, including the biotechnology field. He was the recipient of the BHRG Lifetime Recognition Award in Mixing in 2012.



<http://wp-mixing.inp-toulouse.fr/en/home.html>

EFCE Events

Specialised events organized by/on behalf of EFCE:

15th International Symposium on Loss Prevention and Safety Promotion in the Process Industries

Freiburg, Germany, 5–8 June 2016
(EFCE Event No. 718)

Conference Programme and Registration are now available!

Loss Prevention 2016 is the international meeting point for process safety experts. With speakers from 26 countries and participants from all over Europe and beyond, the conference offers a unique forum for learning, discussion and networking. *Loss Prevention 2016* takes place 5-8 June, 2016 in Freiburg (Germany); more than 340 participants have already registered.

Loss Prevention 2016 sets the spotlight on the practical aspects of safety in the process industries covering all expert areas of plant and process safety.

Session topics include: Simulation and Modeling; Process Safety Engineering; Fires and explosions; Human and organizational factors; Management and communication of Risk and Safety; Learning from accidents; and Regulatory Issues.

Keynote and plenary lectures, special topics, poster presentations and an industry exhibition showcasing practical applications provide plenty of information and food for thought to industry experts, safety engineers, technology and services providers as well as associations and policy makers.

Loss Prevention 2016 is an event of the EFCE Working Party on Loss Prevention organised by DECHEMA.

Programme, more information and registration at:

www.dechema.de/en/lossprevention2016.html

26th European Symposium on Computer-Aided Process Engineering (ESCAPE'26)

Portoroz, Slovenia, 12–15 June 2016
(EFCE Event No. 734)

ESCAPE'26 is co-organised by the Faculty of Chemistry and Chemical Engineering, University of Maribor, Slovenia, and the EFCE Working Party on Computer Aided Process Engineering (CAPE). The organising committee is gearing up for an exciting and informative conference programme including plenary and keynote sessions, oral and poster presentations on a variety of topics, and not forgetting an exciting social programme for participants from all around the world.

Conference highlights: 7 plenary lectures, 18 keynote lectures, 176 regular oral presentations, 230 poster presentations

Themes: Process-product Synthesis, Design and Integration; Modelling, Numerical analysis, Simulation and Optimization; Process Operations and Control; Green Bioprocess Engineering and Advances in Biomedical Engineering; CAPE/PSE in Environmental Engineering; CAPE/PSE in Sustainable Energy Applications; CAPE Applications; Education in CAPE/PSE

Plenary speakers: Adisa AZAPAGIC, UK; Ana BARBOSA POVAO, Portugal; Hermann FEISE, Germany; Rafiqul GANI, Denmark; Jiri J. KLEMES, Hungary; Nick SAHINDIS, USA; Jean-Marc LE LANN, France.

Exhibition and Sponsorship: ESCAPE'26 will be accompanied by an exhibition of instrumentation, columns, software, accessories and literature on various techniques in connection with the conference. The different sponsorship, advertisement and exhibition options are provided at:

<http://escape26.um.si/exhibition-sponsorship/>
Register NOW! Visit the Symposium website here: <http://escape26.um.si/>



CHISA and PRES 2016 Prague, Czech Republic, 28–31 August 2016

The 22nd International Congress of Chemical and Process Engineering - *CHISA 2016* Prague and the 19th Conference on Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction - *PRES 2016* will be jointly held in Prague on 28–31 August 2016, organised by the Czech Society of Chemical Engineering and the EFCE. The objective of this joint event is to provide engineers, scientists, researchers, technologists, students and others with a platform to present their latest results, to interchange ideas, to make new contacts, to establish new collaborations, and many more.

Both the Congress CHISA and PRES Conference address the full spectrum of chemical and process engineering practice including current trends and future challenges.

Plenary lectures: Jonathan SEVILLE, United Kingdom; František ŠTĚPÁNEK, Czech Republic; Cheryl TEICH, USA; Fengqi YOU, USA.

Late poster submission: Posters may be accepted up to the beginning of the Congress, however only contributions received before 31 May 2016 will be included in the final program.

Special offer of accommodation for Congress participants in the Congress Hotel Clarion (Congress venue): price for single/double room per night with breakfast - 89 EUR. Accommodation can be booked via your user pages.

Congress website: <http://www.chisa.cz/2016>



CHISA 2016 PRAGUE
PRES 2016

Science and Technology

University Course „Fluidization Technology - Fundamentals and Applications in Drying, Granulation and Agglomeration“ Hamburg, Germany, 7–10 November 2016

This course highlights the fundamentals and applications of various fluidized bed processes for drying, granulation and agglomeration of apricles with practical hints and extensive calculation examples. The focus is on fluid dynamics, mixing, heat and mass transfer and particle formulation mechanisms. Furthermore, actual applications as well as modern simulation tools and measuring techniques are presented. Practical process demonstrations will strengthen the acquired knowledge.

The course is aimed at engineers, pharmacists, chemists and food technologists involved in the design, development, operation and automation of processes to whom modern process technologies are of great importance. The course language is English.

Further information:

http://www.tuhh.de/t3resources/spe/Material/PDFsOfEvents/Flyer-Hochschulkurs_Fluidization_2016.pdf

CHEMREACTOR-22 – XXII International Conference on Chemical Reactors London, United Kingdom, 19–23 September 2016 (EFCE Event No. 736)

CHEMREACTOR-22 continues a series of *CHEMREACTOR* conferences that are held biennially in big scientific centers of Europe. The conference usually brings together the specialists in the field of Chemical Engineering from academic circles and famous companies from over the world. The event is traditionally devoted to the fundamental aspects and practical application of catalytic processes and chemical reactors, as well as to the development of novel technologies.

This time the conference will be hosted by University College London (UCL), one of the most prestigious universities in the world, with a rich legacy and vibrant research culture.

Main topics: Advances in Chemical Reactor Fundamentals; Chemical Reaction Engineering and Reactor Design – Novel

News from related organizations

European Symposium on Biochemical Engineering Sciences (ESBES) 2016

Dublin, Ireland, 11–14 September 2016

The European Society for Biochemical Engineering Sciences (ESBES) and the Institution of Chemical Engineers (IChemE) are delighted to present ESBES 2016. This major event will provide a platform for bioengineers and others to discuss the latest in research and industrial application of all aspects of biochemical engineering.

The Programme is now available (<http://www.esbes2016.org/programme/>)

Call for posters: The call for posters is now open. You can submit your abstract for review by completing the online form of no more than 500 words.

Submit your poster abstract now! (<http://www.esbes2016.org/callforposters/>)

Deadline: 1 July 2016

Note: only abstracts submitted via the online system will be considered. Abstracts will not be put forward for an oral presentation.

Early bird registration deadline: 31 May 2016

Symposium website:
<http://www.esbes2016.org/>

Experimental Approaches, Modeling, Scale-Up and Optimization; Chemical Reactors and Technologies for Targeted Applications;

Plenary Speakers: Gilbert FROMENT, USA; Sergey ALDOSHIN, Russia; Lynn GLADDEN, United Kingdom; Jinghai LI, China; Murray MOO-YOUNG, Canada; Sotiris E. PRATSINIS, Switzerland

Exhibition and Sponsorship:

CHEMREACTOR-22 offers a variety of sponsorship opportunities that are suitable for large as well as small organizations.

Conference website:

http://conf.nsc.ru/CR_22/en/

Electrostatics 2017

Frankfurt am Main, Germany, 10-13 April 2017 (EFCE Event No. 735)

The International Conference on Electrostatics is a quadrennial conference that has been successfully held around Europe since 1973. It provides a unique interdisciplinary forum for discussion about the electrostatic phenomena and the industrial applications. Fundamentals, applications, hazards, measuring techniques, standards and other related topics are within the scope of the conference.

The Conference is organised by DECHEMA in Frankfurt on behalf of the European Working Party „Static Electricity in Industry“ (EFCE).

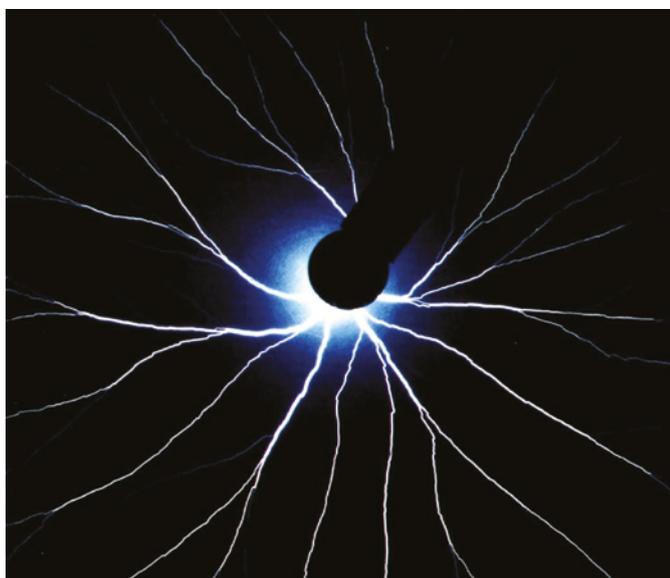
Electrostatics 2017 is an excellent opportunity for researchers and users working in many scientific and technical areas where electrostatics is a real concern or challenge to review progress and discuss future trends. Besides, the interdisciplinary composition of the conference gives the best opportunity to get inspired by solutions in other fields and promote relationships for innovation and breakthroughs of different industries.

Topics: ESD, Safety Hazards, Measuring, Applications and Products, Liquids, Solids, Material Science, Atmospheric Physics, Precipitation, Others.

Exhibition and sponsorship: During the conference an exhibition of scientific instruments, equipment and techniques will be held from Monday to Wednesday. Take advantage of the Sponsorship and Exhibition offers. Online registration will open in September 2016. Please visit this website regularly from time to time to be aware of the deadlines.

Congress website:

www.dechema.de/en/electrostatics2017.html





International Symposium Reliable Flow of Particulate Solids V - RELPOWFLO V

Skien, Norway, 13–15 June 2017
(EFCE Event No. 734)

RELPOWFLO V is an international symposium aimed to bring together academics, scientists and industrialists to exchange ideas and experiences in established, new and emerging technologies of all topics of powder technology, both nationally and internationally.

RELPOWFLO V will enable the participant being updated and enriched with recent developments and investigations in the field of powder technology, while providing excellent academic and industrial networking possibilities. The organising committee of RELPOWFLO V invites you to join with us, making the upcoming event memorable and look forward to welcoming you in Norway.

The conference will be held at Ibsenhuset (the Ibsen house) located in the Centre of Skien.

Skien is the capital of Telemark. Telemark is well known for the diversity in nature and culture with the beautiful coastline in the south and the mountain plateau in the north.

Symposium topics: Drying of Particulate Materials; Environmental Aspects; Industrial Case Studies; Measurements, Controls & On-line monitoring; Mechanical Conveyor & Feeders; Modelling and Fundamentals of Powder Systems; Particle & Bulk Characterization; Pneumatic, Hydraulic & Capsule Conveying; Powder Coating; Process Analytical Technology in Powder Applications; Production & Handling of Nanoparticles; Production of Particulate Solids (crystallization, precipitation, etc.); Sample Taking/Sampling in Powder Systems; Segregation & Mixing; Separation & Classification; Size Enlargement; Size reduction (crushing, grinding, milling); Solids Processing; Storage of Bulk Solids.

The Call for Papers is open. Deadline for abstract submission: 1 November 2016

Symposium website:
<http://www.relpowflo.no>

An extended list of events is available at <http://www.efce.info/events.html>

Contact

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