

# 10th World Congress of Chemical Engineering – WCCE10

incorporating the 11th European Congress of Chemical Engineering (ECCE11)  
and the 4th European Congress of Applied Biotechnology (ECAB4)

Barcelona, Spain, 1-5 October 2017

(EFCE Event No. 741)

Theme: *Chemical and Biochemical Engineering in a Global World: "Solutions 4 Global Challenges"*

## Call for papers:

Only one more day to go until abstract submission deadline!

Abstract submission deadline is extended until **28 February 2017**.

You still have time to **pre-register online** and submit your contribution.

The **scientific programme** includes 7 Topics and a variety of specific and very applicable **Joint Events**

## Sponsorship & Exhibition

WCCE10-ECCE11-ECAB4 is a unique opportunity for companies, organizations and governments to contribute to the advancement and development of up-to-date and progress scientific and technical issues related to the field of Chemical Engineering and proposing solutions for global challenges. Partnering with WCCE10, ECCE11 and ECAB4 will guarantee Sponsor business success attracting pertinent partakers in and around the three Congresses.

The WCCE10 sponsorship & exhibition prospectus is available at:

[http://www.wcce10.org/images/site/WCCE10SponsorSHIP-Exhibition\\_Prospectus.pdf](http://www.wcce10.org/images/site/WCCE10SponsorSHIP-Exhibition_Prospectus.pdf)

A special programme for undergraduate students will be organised – see

[http://www.wcce10.org/images/site/WCCE10\\_UNDERGRADUATE\\_STUDENT\\_PROGRAM.pdf](http://www.wcce10.org/images/site/WCCE10_UNDERGRADUATE_STUDENT_PROGRAM.pdf)

Please also follow the announcements for the Industrial and Social Programs.

Subscribe to the WCCE10 Newsletter and visit the Wold Congress website at: <http://www.wcce10.org>

## Join us in Barcelona!



Welcome to the first 2017 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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## EFCE AWARDS

### EFCE calls for nominations in the field of Crystallization

The European Federation of Chemical Engineering (EFCE) is pleased to announce the call for nominations for the 2017 EFCE Excellence Award in Crystallization. Launched in 2007, this triennial award has been instituted to recognise a PhD thesis or paper(s) of a scientist in an early stage of his/her career, who has made excellent contributions to the understanding or the industrial application of crystallization. The previous award winners are Dr. Pedro Miguel da Silva Martins, Portugal (2008), Dr. Levente L. Simon, Romania (2011) and Dr. Thomas Vetter, Switzerland (2014).

The award consists of a cash prize of 1500 euros, and a travel grant not exceeding 500 euros to attend the 20th International Symposium on Industrial Crystallization (ISIC 20) to be held in Dublin, Ireland, from 3 to 6 September 2017, where the award will be presented during a dedicated session. Here, the award winner will be given the opportunity to present the work. Nominations may be submitted by any PhD supervisor at a PhD-awarding institution in an EFCE member country or by a member of an EFCE member society. The PhD thesis/paper(s) nominated must address a topic relevant to the field of crystallization. Only PhD theses or papers published between 1 January 2014 and 31 December 2016 are eligible for nomination. A nominated PhD thesis must have been completed and published and the PhD degree examined and awarded.

Closing date for nominations: **17 April 2017**

For further information about the nomination procedure, eligibility, supporting documentation, etc., and the submission of nominations please visit the EFCE website at

<http://www.efce.info/ExcellenceAwardCrystallization.html>)

### EFCE Excellence Award in Product Design and Engineering - Call for Nominations

The European Federation of Chemical Engineering (EFCE) is pleased to announce the 2017 Excellence Award in Product Design and Engineering. Launched in 2010 by the EFCE Section on Product Design and Engineering, the award aims to recognise an outstanding PhD thesis in the field. The previous award winners are Dr. Miguel André Abreu Teixeira, Portugal, and Dr.-Ing Patrick Froberg, Germany. The award comprises a certificate and a cash prize of EUR 1,500. It will be presented to the winner at the 6th European Symposium on Product Design and Engineering, which will be held in conjunction with the 10th World Congress of Chemical Engineering (WCCE10) in Barcelona, Spain, on 1 to 5 October 2016.

A travel grant of up to EUR 500 and a fee waiver to attend are also included.

Nominations may be submitted by any PhD supervisor at a PhD-awarding institution in an EFCE Member Country or by a member of an EFCE Member Society. The PhD thesis nominated must address a topic relevant to the field of product design and engineering. Only PhD theses published between 1 January 2015 and 31 December 2016 are eligible for nomination. A nominated PhD thesis must have been completed and published and the PhD degree examined and awarded.

The deadline for nominations is **28 April 2017**.

For further information about the nomination procedure, eligibility and supporting documentation, please refer to the EFCE website:

<http://www.efce.info/ExcellenceAwardProductDesign.html>

The Excellence Award is generously sponsored by Beiersdorf AG.



The following calls for EFCE Awards are still open:

- **EFCE Student Mobility Award 2017**

Deadline for applications: **28 February 2017**

A listing of EFCE Awards and Medals is available at: <http://efce.info/EFCEawards.html>

# EFCE Events

## Specialised events organized by/on behalf of EFCE:

### 11th European Symposium on Electrochemical Engineering – ESEE

**Prague, Czech Republic, 4-8 June 2017 (EFCE Event No. 740)**

Motto: Today's research for tomorrow's technologies

The 11th European Symposium on Electrochemical Engineering (ESEE) will to provide a focused forum for researchers and users of electrochemical technologies in a broad spectrum of existing and emerging fields of applications and thus to trigger an intense exchange of ideas and information. The Symposium is organised by University of Chemistry and Technology Prague in cooperation with the EFCE Working Party on Electrochemical Engineering.

**Topics:** Green technologies for sustainable development; Electrocatalysis and electrochemical technologies; Safe water and air; Energy conversion processes; Bioelectrochemistry - a launch-pad for new frontiers in electrochemical technologies; Surface treatment and corrosion engineering.

**Plenary speakers:** Professor Anthony A. Wragg, United Kingdom; Professor Mark E. Orazem, USA; Professor Takayuki Homma, Japan; Dr. Juergen Kintrup, Germany.

**Register now.** Deadline for early registration: 15 April 2017

Symposium website: <http://www.electrochemical-engineering.eu/2017/>

### International Symposium Reliable Flow of Particulate Solids V - RELPOWFLO V

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

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.

**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.

**Exhibition:** This conference is a unique possibility for companies/institutions to exhibit and display their products. For further details, please visit <http://www.relpowflo.no/exhibition>

**Register now.** Deadline for early registration: 15 April 2017

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

### 6th European Drying Conference - EuroDrying 2017

**Liège, Belgium, 19-21 June 2017 (EFCE Event No. 738)**

Theme: Innovations in drying: bridging the gap between academia and industry

The European Drying Conference series is supported by the Working Party on Drying (WPD), within the framework of the EFCE. The 6th edition, EuroDrying'2017, will be jointly organized by University of Liège, Free University of Brussels, with the support of the Dutch Working Group on Drying (NWGD).

**Topics:** Contributions from entire spectrum of drying and dewatering science and technology are eligible as: Fundamentals of drying; Modelling and simulation; Physical properties; Chemical and polymer materials; Food and agricultural materials; Pharmaceutical and biomaterials; Measurement and process control; Industrial processes and equipment; Innovative technologies; Energy and environmental implications; Industrial case studies.

**Register now.** Last registration day: 30 May 2017

Conference website: <http://events.ulg.ac.be/eurodrying2017/>

## 16ieme Congrès de la Société français de Génie des Procédés

**(SFGP 2017 Conference)**

**Nancy, France, 11-13 July 2017**

**(EFCE Event No. 742)**

SFGP 2017 Conference, celebrating the 30-year jubilee of this Society, will be a privileged opportunity for engineers and scientists, from university and industry to share their experience in advanced aspects in chemical and process engineering in view to prospects in the area. The event will be for us the opportunity to make you discover Nancy, its history-rich old town and the well-known Place Stanislas.

Topics: Chemical engineering in view to energy transition; Product engineering, from the molecule to consuming properties ; Chemical engineering as an answer to environmental challenges in 21st century; Chemical engineering for innovation in bio-compounds production; Focus on specific transverse areas.

Besides a German-French day will be organised on July 12th. This very day, the plenary lecture will be given by a German colleague. Integrated in the program of the sessions, oral or poster contributions may be presented in English: in addition to the contributions given by German scientists, some papers from French attendants will be given in English. For further details, please visit: <http://www.sfgp2017-nancy.com/german-french-day-wednesday-july-12th-2017.html> Conference website: <http://www.sfgp2017-nancy.com>

## 6th PhD Student Workshop on Polymer Reaction Engineering Vienna, Austria, 8-10 September 2017

The EFCE Working Party on Polymer Reaction Engineering is happy to announce the meanwhile 6th PhD Student Workshop on Polymer Reaction Engineering and invite PhD students to join the workshop in Vienna, Austria. The workshop is going to be held from September 8th-10th, 2017 as a direct follow-up event to the Danube Vltava Sava Polymer Meeting (DVSPM). The PhD Student Workshop represents an international platform where young researchers in the field of polymer reaction engineering can build up valuable networks. It is an opportunity to meet fellow PhD students and to get in contact with interesting companies and potential employers while presenting their latest research results.

Registration fee: EUR 100;

Registration deadline: **30 June 2017**;

Abstract submission deadline: 15 July 2017

Register online via the following URL: <http://www.chemie.tu-darmstadt.de/busch/akbusch/wppre/registration.en.jsp>

For further information, please visit the Workshop website at: [http://www.efce.info/PhDStudent\\_Workshop\\_WPPRE.html](http://www.efce.info/PhDStudent_Workshop_WPPRE.html)

## Electrostatics 2017

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

Online registration is open!

The preliminary programme is online available in the Congress Planner

Congress website:

<http://www.dechema.de/en/electrostatics2017.html>

## EFCE Events in 2018 / 2019 - Save the date!

### ISCRE 25 – 25th International Symposium on Chemical Reaction Engineering

Florence, Italy, 20-23 May 2018

(EFCE Event No. 743)

The call for papers will open at the end of May 2017.

Website: <http://www.aidic.it/iscre25/>

### 28th European Symposium on Computer Aided Process Engineering - ESCAPE-28

Graz, Austria, 10-13 June 2018

(EFCE Event No. 745)

*Safe the date!*

Website: <https://www.tugraz.at/events/escape28/home/>

### 16th European Conference on Mixing

Toulouse, France, 9-12 September 2018

(EFCE Event No. 746)

*Safe the date!*

### Distillation & Absorption 2018

Florence, Italy, 16-19 September 2018 (EFCE Event No. 737)

The call for papers will open in June 2017.

Website: <http://www.aidic.it/da2018/index.php>

### ECCE12/ECAB5 - 12th European Congress of Chemical Engineering & 5th European Congress on Applied Biotechnology

Florence, Italy, 15-19 September 2019

(EFCE Event No. 744)

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

## EVENT REPORT

### ESCAPE 26 – 26<sup>th</sup> European Symposium on Computer Aided Process Engineering

12-15 June 2016, Portorož, Slovenia (EFCE Event No. 733)

The ESCAPE series is a prominent European yearly event in the field of Computer Aided Process Engineering (CAPE) bringing together people from around the world dedicated to Process Systems Engineering. Scientists, industrial experts, academics and students exchange and share the most recent knowledge about CAPE concepts, methods, tools, and applications, either regarding continuous developments of existing technologies or innovative developments of new ones based on new discoveries and inventions.

The ESCAPE 26 focused on 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; and Education in CAPE/PSE. Out of 406 contributions, prepared by authors from 47 countries (Europe, the Americas, Africa, Asia and Australia), the ESCAPE 26 International Scientific Committee selected 176

oral presentations (7 being plenary lectures, 18 keynote lectures), and 230 poster presentations. The ESCAPE series is an excellent opportunity for young, motivated and innovative undergraduate students to enter the world of computer aided chemical engineering. It is also an opportunity to promote outstanding achievements of PhD students in this field. To recognize these achievements, the EFCE Excellence Award in Recognition of an Outstanding PhD Thesis on CAPE 2016 and the Award to the winners of the EURECHA Student Contest Problem Competition 2016 were given at the conference.

ESCAPE 26 also held CAPE Working Party business meeting, EURECHA & CACE Business Meeting, Advisory Board Meeting of Computers & Chemical Engineering, and Meeting of the IPC for the PSE-2018.

We believe that the contributions presented at the ESCAPE 26 conference will serve as a reference and motivate new ideas, developments, and collaborations in the field of computer aided process engineering and beyond.



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