

# 4th European Forum on New Technologies – Chemical Engineering as Applied in Medicine

5 December 2022, Paris, France  
*Organised by SFGP on behalf of EFCE*

## Invitation

Attend the EFCE Forum on New Technologies and learn how Chemical Engineers are bringing their skill set to physiology and medicine.

Experts in the field will show us some current approaches and toolkits. They are known to Chemical Engineers but mostly unknown to medical professionals. Presenters will show how modelling and systems engineering techniques are being used to tackle the complexity of physiology, using transport and reaction engineering to model medical instruments such as dialysis, designing artificial organs, developing devices controlling drug and nutrient feeds, and exploring the effects of particulates on human health and more. Chemical Engineers have been developing engineering design and analysis approaches to modelling biological systems across multiple levels - cell signalling networks, gene, protein and metabolic networks, the movement of molecules and fluids in physiological flows through to exploring whole physiological systems.

Don't miss this opportunity and come to Paris in December!!!

More details on the programme will follow.

## Venue

FIAP – Jean Monet  
30 rue Cabanis, 75014 Paris, France  
RER B - stop: Denfert Rochereau Metro 6 - stop: Glacière

## Registration

Registration fees: 180 €

Registration fees (SFGP members): 150 €  
Lunch and breaks included

[Click here to register](#)

**Website:** [https://efce.info/4th European Forum on New Technologies](https://efce.info/4th_European_Forum_on_New_Technologies)

Dear Readers,

Welcome to the August 2022 issue of EFCE News! This issue contains much information about EFCE activities and events.

If you have any comments/suggestions, please contact us.

With kind regards

*Giorgio Veronesi*  
EFCE President

## In this issue:

- 4th European Forum on New Technologies – Chemical Engineering as Applied in Medicine
- Report EFCE Spotlight Talks April 2022
- EFCE Member Society News: DECHEMA e.V.
- News from the European Process Safety Centre
- News about the official EFCE Journals
- EFCE Events in 2022/2023

# EFCE SpotLight Talks

19 April  
to  
29 April  
2022

by the Working Parties  
and Sections

8 Webinars



EFCE

European Federation of Chemical Engineering

## Report: EFCE Spotlight Talks April 2022

The 3rd series of the Spotlight Talks, organised by European Federation of Chemical Engineering as on-line webinars, took place from 19 to 29 April 2022. The 1st series took place in November 2020 as a means to stay connected when face-to-face events were prohibited. From the start, the Talks were identified as a very efficient means for sharing scientific updates on attractive topics in the form of one day lectures with members of the European Chemical Engineering community. It's been so successful that EFCE's Executive Board has to retain the format now that the Covid restrictions have lifted. During the last 2.5 years, the Spotlight Talks have continued to offer an excellent space for an exchanging and sharing the latest chemical engineering knowledge.

The webinars of the 3rd Series were proposed by eight EFCE Working Parties (WP) and Sections and the recordings are available on the EFCE YouTube channel at <https://www.youtube.com/channel/UCxuvfbb5ST3DMHLAWZ6326w>

You will find there:

- Focus on current drying research within EFCE - *WP on Drying*
- Population balance modelling in gas-liquid flows: a key to more reliable process design - *WP on Multiphase Fluid Flow*
- Impact of membrane engineering on the process engineering progresses - *Section on Membrane Engineering*
- Innovative Chemical Engineering Education - *WP on Education*

- Overcoming challenges in mixing processes with evolving rheology - *WP on Mixing*
- CAPE ideas for biomass uses - *WP on CAPE*
- Technology to improve conventional chemical engineering processes - *WP on High Pressure Technology*
- Role of crystallization in the production of battery materials and in battery recycling - *WP on Crystallization*

Each webinar was attended by an average of 80 participants live (min 60; max 113), a very encouraging number, which is equivalent or even higher than the number of participants in a thematic session at a generalist conference.

In total, there were 637 participants in eight webinars, of which 437 were unique participants. 329 participants attended only one webinar, 67 participants attended two webinars, 16 attended three and 11 attended four webinars. Few people attended 5, 6 the whole series (6, 4 and 4 people respectively). The audience is obviously highly specialised, and it seeks knowledge in well-targeted areas.

In terms of geographical origin, although there were connections from 40 different countries, the audience was mainly coming from Europe (Italy, Germany, France and Spain) (max: 98, min: 63). The important participation from the United States (33) should be also mentioned.

All of this is very encouraging! The good news - another series is now being planned for Autumn 2022.

Martine Poux

# (Bio)Process Engineering - a Key to Sustainable Development

A joint event of  
ProcessNet and DECHEMA-BioTechNet Jahrestagungen 2022 together with  
13th ESBES Symposium



## Member Society News:

### (Bio)Process Engineering - a Key to Sustainable Development

**A joint event of ProcessNet and DECHEMA-BioTechNet  
Jahrestagungen 2022 together with 13th ESBES Symposium**

**12 – 15 September 2022, Aachen, Germany**

In 2022, DECHEMA, ProcessNet and ESBES join forces: At the joint Annual Conference of ProcessNet and DECHEMA-BioTechNet together with the ESBES symposium, researchers from industry and science will present developments and solutions on topics such as reaction engineering, energy generation and storage, bioprocesses, synthetic biology, education and many more.

*(Bio)Processes – a key to Sustainable Development*, the headline of this joint conference, emphasizes the contribution of biotechnology, process engineering and chemical technology to global needs like food, mobility, energy, health and well-being – while at the same time protecting resources, increasing efficiency or closing cycles.

#### **Main Conference Topics:**

Plant and process concepts; Biotechnology; (Bio)pharmaceutical processing; Circular (Bio) Economy; Digital transformation; Energy transition; Fluid and solids process engineering; Industrial water and wastewater technology; New materials for process engineering; Education 4.0; Student and PhD student programme

**The preliminary lecture programme for the joint event is now online at:** [https://dechema.de/en/JT2022\\_Programme.html](https://dechema.de/en/JT2022_Programme.html)

**Register now and start compiling your personal schedule!**

**Plenary speakers:** Dr. Alexander Schulz, thyssenkrupp Industrial Solutions AG, Bad Soden/D; Prof. Dr. Armin Grunwald, Institute for Technology Assessment and Systems Analysis

(ITAS), Karlsruhe/D; Prof. Dr. Roland Ulber, TU Kaiserslautern/D; Prof. Dr.-Ing. Hans Hasse, TU Kaiserslautern/D; Prof. Sierin Lim, Nanyang University of Technology, Singapore

#### **Exhibition and Sponsoring**

**Sponsors:** Platinum Sponsor: Evonik Operations GmbH; Gold Sponsor: BASF SE; Silver Sponsors: LANXESS Deutschland GmbH, Merck KGaA

**Exhibitors:** aquila biolabs GmbH; BASF SE; BlueSens gas sensor GmbH; DECHEMA e.V.; Evonik Operations GmbH; Infors GmbH; LANXESS Deutschland GmbH; Magritek GmbH; Merck KGaA

**Exhibition & Sponsoring options:** Take an active part and support the joint event! For further details, including the floor plan, see: [https://dechema.de/en/JT2022\\_Sponsoring.html](https://dechema.de/en/JT2022_Sponsoring.html)

#### **BASF Poster Award**

We all need answers for problems like climate change, scarcity of resources and waste generation. Innovations based on chemistry are key to finding such answers and they will change the chemical industry in a fundamental way. BASF as an innovative chemical company therefore offers a BASF poster award for the outstanding poster contribution addressing the "Transformation of the Chemical Industry"; including e.g. greenhouse gas emission avoidance, recycling or renewable raw materials. The prize money of 1.500€ will be awarded by a scientific jury based on the best combination of poster and speed talk.

**Visit the conference website for detailed information:** <https://dechema.de/JT2022>

# News from the European Process Safety Centre



## 2nd European Conference on Plant & Process Safety

The 2nd [European Conference on Plant & Process Safety](#) will take place in Antwerp, Belgium on 13 & 14 September 2022.

Here technical safety specialists and managers from companies dealing with hazardous chemicals will come together to Learn & Network.

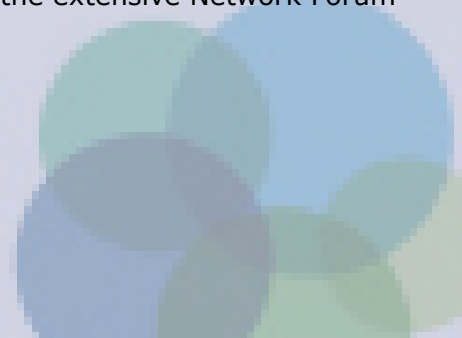
The event is about sharing of practical learnings to contribute to a safer chemical industry. It is organized by [EPSC](#) in cooperation with European chemical engineering associations. The conference program offers 3 parallel sessions and at the Network Forum solution providers to the chemical industry will pre-sent themselves to the participants.

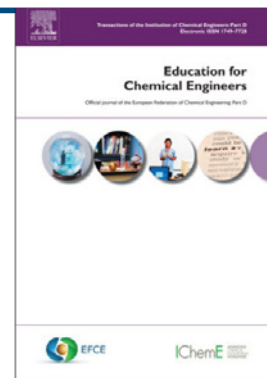
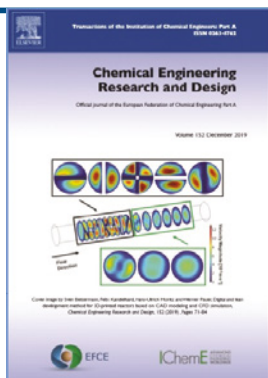
Do not miss this opportunity to

- Learn from recognized speakers from industry
- Learn from your peers that have similar problems and found solutions
- Connect with peers and knowledgeable solution providers at the extensive Network Forum

See the [website](#) with the interesting [program](#).

Online [registration](#) is open.





## News about the official EFCE journals

For the latest updates on published papers, freely available content and editor and author interviews please follow the journals on Twitter:

**Chemical Engineering Research and Design**  
<https://twitter.com/ChemEngResDes>

**Digital Chemical Engineering**  
<https://twitter.com/DChEJournal>

**Carbon Capture Science & Technology**  
<https://twitter.com/CCSTJournal>

**Education for Chemical Engineers**  
<https://twitter.com/ECEJournal>

**Process Safety and Environmental Protection**  
<https://twitter.com/PSEPJournal>

**Carbon Capture Science & Technology (CCST) is celebrating its first anniversary!**

The journal has enjoyed a successful first year as an open-access platform for carbon capture research and technology, with 43 published papers and over 31,000 downloads. Watch an interview with Editor-in-Chief Dr Chunfei Wu of Queen's University Belfast about the first year and his vision for the future at <https://www.journals.elsevier.com/carbon-capture-science-and-technology/videos/carbon-capture-science-technology-ccst-turns-one>

**Read journal papers for free**

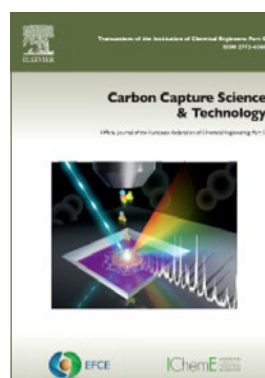
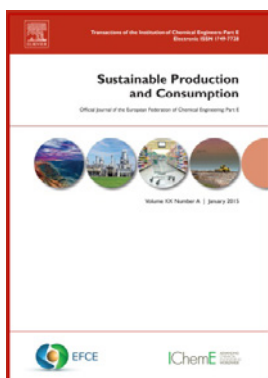
The following articles / issues are set for free access periods. In addition to these, articles that are published via the open access route in the journal are also freely available to all. These are identified in ScienceDirect by a green dot. It is possible sign up to an RSS alert specifically to inform when a new open access article is published in the journal – see individual journal pages to set this up.

**Chemical Engineering Research and Design**

<https://www.sciencedirect.com/journal/chemical-engineering-research-and-design>

Freely available content:

- January 2022 issue (Volume 177)  
<https://www.sciencedirect.com/journal/chemical-engineering-research-and-design/vol/177/suppl/C>
- Multi-scale approaches in bubble column fluid dynamics  
<https://www.sciencedirect.com/journal/chemical-engineering-research-and-design/special-issue/10124DN7HNX>
- International Symposium of Reaction Engineering, Catalysis & Sustainable Energy (RECaSE 2021)  
<https://www.sciencedirect.com/journal/>



[chemical-engineering-research-and-design/  
special-issue/10GXCFJ1FWX](https://www.sciencedirect.com/journal/chemical-engineering-research-and-design/special-issue/10GXCFJ1FWX)

### **Process Safety and Environmental Protection**

<https://www.sciencedirect.com/journal/process-safety-and-environmental-protection>

Freely available content:

- January 2022 issue (Volume 157)  
<https://www.sciencedirect.com/journal/process-safety-and-environmental-protection/vol/157/suppl/C>
- **NEW** Process Safety on Utilization of Emerging Energy  
<https://www.sciencedirect.com/journal/process-safety-and-environmental-protection/special-issue/1076QSNMQTN>

### **Food and Bioproducts Processing**

<https://www.sciencedirect.com/journal/food-and-bioproducts-processing>

Freely available content:

- January 2022 issue (Volume 131)  
<https://www.sciencedirect.com/journal/food-and-bioproducts-processing/vol/131/suppl/C>

### **Education for Chemical Engineers**

<https://www.sciencedirect.com/journal/education-for-chemical-engineers>

Freely available content:

- January 2022 issue (Volume 38)  
<https://www.sciencedirect.com/journal/education-for-chemical-engineers/vol/38/suppl/C>

### **Sustainable Production and Consumption**

<https://www.sciencedirect.com/journal/sustainable-production-and-consumption>

Freely available content:

- January 2022 issue (Volume 29)  
<https://www.sciencedirect.com/journal/sustainable-production-and-consumption/vol/29/suppl/C>

### **Digital Chemical Engineering**

**Gold Open Access – APC (Author Processing Charge) fully waived on all submissions**

**received before 29 May 2023**

Freely available content:

- **NEW** All content freely available at:  
<https://www.sciencedirect.com/journal/digital-chemical-engineering>

### **Carbon Capture Science & Technology**

**Gold Open Access – APC (Author Processing Charge) fully waived on all submissions**

**received before 30 June 2023**

Freely available content:

- **NEW** All content freely available at:  
<https://www.sciencedirect.com/journal/carbon-capture-science-and-technology>
- **NEW Special issue** - New Trends in Membrane Technology for Carbon Capture  
<https://www.sciencedirect.com/journal/carbon-capture-science-and-technology/special-issue/10Z5B4DNN1>

### **Invitation to submit papers**

We have a number of special issues planned that are currently open for submission. Submissions from all welcome! If you require any further information then please contact Managing Editor Catherine Cliffe [ccliffe@icheme.org](mailto:ccliffe@icheme.org)

Details as follows:

### **Chemical Engineering Research and Design**

**Special Issue:** Extended Application of Biomass-based Activated Carbon in Water and Wastewater Treatment (Manuscript submission deadline **15 September 2022**)

<https://www.journals.elsevier.com/chemical-engineering-research-and-design/call-for-papers/special-issue-extended-application-of-biomass-based-activated-carbon-in-water-and-wastewater-treatment>

**Special Issue:** Enabling Technologies for Biopharmaceutical Process Development and Manufacturing (Manuscript submission deadline **30 September 2022**)

<https://www.journals.elsevier.com/chemical-engineering-research-and-design/call-for-papers/special-issue-enabling-technologies-for-biopharmaceutical-process-development-and-manufacturing>

**NEW Special Issue:** Novel emerging reactive-based technologies in Unit Operations for process intensification (Manuscript submission deadline **30 November 2022**)

<https://www.journals.elsevier.com/chemical-engineering-research-and-design/call-for-papers/special-issue-novel-emerging-reactive-based-technologies-in-unit-operations-for-process-intensification>

## ***Process Safety and Environmental Protection***

**NEW Special issue:** Aqueous Emerging Pollutants and Treatment (Manuscript submission deadline **30 September 2022**)

<https://www.journals.elsevier.com/process-safety-and-environmental-protection/call-for-papers/special-issue-aqueous-emerging-pollutants-and-treatment>

**NEW Special Issue:** Physics-based machine learning application to process safety (Manuscript submission deadline **31 October 2022**)

<https://www.journals.elsevier.com/process-safety-and-environmental-protection/call-for-papers/special-issue-physics-based-machine-learning-application-to-process-safety>

**Special issue:** Resilience Assessment and Management (Manuscript submission deadline **20 November 2022**)

<https://www.journals.elsevier.com/process-safety-and-environmental-protection/call-for-papers/special-issue-resilience-assessment-and-management>

**NEW Special issue:** Advanced Techniques in Leachate Management (Manuscript submission deadline **31 December 2022**)

<https://www.journals.elsevier.com/process-safety-and-environmental-protection/call-for-papers/special-issue-advanced-techniques-in-leachate-management>

## ***Education for Chemical Engineers***

**NEW Special issue:** Latest pedagogical developments in chemical engineering education in Latin America: innovative approaches inside and outside the classroom (Manuscript submission deadline **31 December 2022**)

<https://www.journals.elsevier.com/education-for-chemical-engineers/call-for-papers/special-issue-latest-pedagogical-developments-in-chemical-engineering-education-in-latin-america-innovative-approaches-inside-and-outside-the-classroom>

[for-chemical-engineers/call-for-papers/special-issue-latest-pedagogical-developments-in-chemical-engineering-education-in-latin-america-innovative-approaches-inside-and-outside-the-classroom](https://www.journals.elsevier.com/education-for-chemical-engineers/call-for-papers/special-issue-latest-pedagogical-developments-in-chemical-engineering-education-in-latin-america-innovative-approaches-inside-and-outside-the-classroom)

## ***Sustainable Production and Consumption***

**Special issue:** Circular Economy as a Driver for Achieving Sustainable Production and Consumption (Manuscript submission deadline **31 August 2022**)

<https://www.journals.elsevier.com/sustainable-production-and-consumption/call-for-papers/special-issue-on-circular-economy-as-a-driver-for-achieving-sustainable-production-and-consumption>

**New Special issue:** The Road to Net-Zero: Transition Challenges and Solutions (Manuscript submission deadline **31 December 2022**)

<https://www.journals.elsevier.com/sustainable-production-and-consumption/call-for-papers/special-issue-on-the-road-to-net-zero-transition-challenges-and-solutions>

## ***Digital Chemical Engineering***

**Special issue:** Autonomy, Safety, and Security for Cyber-Physical Systems in the Process Industries (Manuscript submission deadline **30 November 2022**)

<https://www.journals.elsevier.com/digital-chemical-engineering/call-for-papers/special-issue-autonomy-safety-and-security-for-cyber-physical-systems-in-the-process-industries>

## ***Carbon Capture Science & Technology***

**NEW Special issue:** CCST2022 (Manuscript submission deadline **30 October 2022**)

<https://www.journals.elsevier.com/carbon-capture-science-and-technology/call-for-papers/special-issue-ccst2022>

# Events organised by or on behalf of EFCE in 2022/23

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

## CHISA 2022 – 25th International Congress of Chemical and Process Engineering

*Prague, Czech Republic,  
21-25 August 2022  
(EFCE Event No. 787)*

The Czech Society of Chemical Engineering (CSCHE) invites you to the upcoming CHISA in the very beautiful city of Prague to celebrate **60 years of CHISA Congresses** in 2022 under the motto "The place, where people meet people and science meets culture"

Watch the special CHISA invitation at:

<https://m.youtube.com/watch?v=weamBh-VAcA&feature=youtu.be&cbrd=1>

**Programme:** The preliminary scientific programme is available at: <https://2022.chisa.cz/scientific-program>

**Plenary speakers:** Prof. David Fernandez Rivas, University of Twente, NL; Prof. Christine Grant, North Carolina State University, USA; Prof. Matthias Kraume, Technical University Berlin, DE; Prof. Yoel Sasson, Hebrew University of Jerusalem, IL; Prof. Robert Schlögl, Max Planck Institute for Chemical Energy Conversion, Berlin, DE.

**Posters may be accepted up to the beginning of the Congress but will not be included in the final program.**

**Register now!**

**Website:** <https://2022.chisa.cz/>

## ACHEMA 2022

*Frankfurt am Main, Germany,  
22–26 August 2022  
(EFCE Event No. 775)*

Feel the heartbeat of our industry! The process industry is the innovation driver of the world economy and the pacemaker for numerous industrial sectors

**Exhibitors at ACHEMA:** 2.200 exhibitors from 50 countries will present their products for chemical, pharmaceutical and biotech research and manufacturing as well as energy and

environmental services ACHEMA is the driving force and groundbreaker for the international process industries and their suppliers.

**New Exhibition group "Digital Hub"** (Hall 12.1) - Venue for digital players at the heart of ACHEMA: <https://www.achema.de/en/the-achema/digital-hub>

**Action Area Digital Lab:** Experience, handle and try out the smart lab of tomorrow! In five use cases, 13 partners will demonstrate their cross-manufacturer solutions for the networked and digitalised laboratory with the help of innovative products and software. For details see <https://www.achema.de/en/the-achema/digital-lab>

**ACHEMA Congress – from research to application:** This year, for the first time, ACHEMA will fully integrate the congress into the exhibition programme. All congress sessions will take place either on stages directly in the exhibition halls or in the immediate vicinity of the exhibition groups. Another change to the Congress is that there will be **five theme days:**

Monday, 22 August 2022: Hydrogen Economy

Tuesday, 23 August 2022: Fossil-Free Production

Wednesday, 24 August 2022: Perspectives in Laboratory & Analytics

Thursday, 25 August 2022: Digitalisation in Process Industry

Friday, 26 August 2022: Novel Bioprocesses and Technologies

The complete congress programme is available at: <https://www.achema.de/en/the-achema/congress-programme#c6408>

**Join us and register now!**

**Website:** <https://www.achema.de/en/>

## Distillation & Absorption 2022

*Toulouse, France,  
18–21 September 2022  
(EFCE Event No. 780)*

Distillation & Absorption 2022 will showcase the newest and best in distillation & absorption



technology and will cover a broad range of fundamental and applied aspects. The conference is supported by the Société Française de Génie des Procédés (SFGP) working closely with the EFCE Working Party on Fluid Separation.

**The preliminary scientific programme is now available at:** <http://da2022.org/en/program/scientific-program.html>

Selected contributions will be published in a special issue of *CHERD* as a long version.

Associated with the conference, the 2022 EFCE Excellence Award in Fluid Separations will be presented. The award is sponsored by the EFCE and Evonik.

**Plenary speakers:** Andreas Bode, BASF SE; Søren Bøwadt, Health and Digital Executive Agency (HaDEA); Veronique Pugnet, TOTAL; Bernard Saulnier & Mikaël Wattiau, Air Liquide R&D; Michael Schultes, Ruhr-Universität Bochum; & Daniel R. Summers, FRI's Design Practices Committee.

**Sponsors:** ARKEMA; BASF SE; CIMV; Fractionation Research, Inc. (FRI); FREYSSINET Aeroequipment; INP Toulouse; Koch-Glitsch; La region Occitanie; ProSim; Sulzer

**Register now!**

**Website:** <http://da2022.org/en/index.html>

## 9th World Congress of Particle Technology

**Madrid, Spain, 18–23 September 2022 (EFCE Event No. 784)**

**WCPT9** is the world's most influential event for the particle technology community. It's where world-leading researchers and companies share the latest thought leadership about the progression and future of particle technology. And it's the best place for networking opportunities with your colleagues to share mutual professional goals.

For WCPT9, a unique collaboration has been established among 8 Working Parties of the European Federation of Chemical Engineering (EFCE). The following EFCE Working Parties are involved with the organisation of WCPT9: Agglomeration, Characterisation of Particulate Systems, Comminution and Classification, Crystallization, Drying, Mechanics of Particulate Solids, Mixing, Multiphase Fluid Flow.

**The preliminary scientific programme is now available at:** <https://wcpt9.org/scientific-program/>

**Plenary speakers:** Aibing Yu, Australia; Wolfgang Peukert, Germany; Jesús Santamaría, Spain; Lidia

Morawska, Australia; Willie Hendrickson, USA; Jürgen Dahlhaus, Germany; Judith Bonsall, UK; Maria José Alonso, Spain.

The preliminary scientific programme is now available at: <https://wcpt9.org/scientific-program/>

**Exhibition and sponsorship:** Take advantage of this opportunity to showcase your company's/organization's products, services and expertise. If you wish to participate to the Sponsorship Program of the Congress, please consult the sponsorship & exhibition guide at: [https://wcpt9.org/wp-content/uploads/WCPT9-Sponsorship-Opportunities-Exhibition-Guide\\_2.pdf](https://wcpt9.org/wp-content/uploads/WCPT9-Sponsorship-Opportunities-Exhibition-Guide_2.pdf)

**Sponsors** (as of 1 August 2022): Gold sponsor: BASF SE; Solver sponsor: ROCKY; Bronze sponsors: Aspherix©, LUM GmbH

**Exhibitors** (as of 1 August 2022): ALTAIR; Adix; BASF SE; El Laboratorio Oficial "José María de Madariaga" (LOM); Granutools; InSilicoTrials; LUM GmbH; Malvern Panalytical; ROCKY; Universidad Politécnica de Madrid; TSI Incorporated

**Register now!**

**Website:** <https://www.wcpt9.org>

## 9th European Summer School of Electrochemical Engineering Online, 3-7 October 2022

The EFCE Working Party of on Electrochemical Engineering invites postgraduate students and practitioners interested in Electrochemical Engineering, to participate in the 9th European Summer School of Electrochemical Engineering (ESSEE). The summer school aims to promote the applications of Electrochemical Engineering by providing the fundamental theory and the practical applications of the field by sharing knowledge and experience of experts in the area and the opportunity of networking. The scientific program consists of 10 sessions that includes over fifteen lectures that will encourage scientific discussions and exchange of knowledge.

The detailed programme is available at: <https://www.southampton.ac.uk/essee/programme/index.page>

**Register now!**

**Website:** <https://www.southampton.ac.uk/essee/index.page>

## Chemistry and Chemical Technology 2022

**Kaunas, Lithuania, 14 October 2022**

### **(EFCE Event No. 792)**

Dedicated to the 100th anniversary of the University of Lithuania.

The annual international scientific conference "Chemistry and Chemical Technology 2022" is organized by the Faculty of Chemical Technology of Kaunas University of Technology. It aims at providing a platform for the academicians, researchers and PhD students to present their research activities and ideas in the field of Chemistry and Chemical Technology. This conference provides opportunities for the delegates to meet face to face and share scientific knowledge, gain new experiences and to establish relations for future collaboration.

**Topics:** Organic Chemistry and Technology; Polymer Chemistry and Technology; Inorganic Chemistry and Technology; Biochemistry and Biotechnology; Environmental Chemistry and Technology

**The call for papers is open. Deadline for abstract submission and registration: 16 September 2022**

**Website:** <https://cct-conference.ktu.edu/>

### **Energy, Environment & Digital Transition E<sub>2</sub>DT Milano, Italy, 16–19 October 2022 (EFCE Event No. 781)**

The conference aims to bringing together researchers, engineers, senior executives, policy makers and opinion formers to map the transition from an economy based on fossil fuels towards net zero carbon and fully renewable energy to meet the COP26 Glasgow Agreement targets. The objective is to provide a view on available, up-to-date evidence on positive and negative environmental effects of the energy transformation in a holistic way and on the opportunities for new technologies to drive accelerate the transition.

**Topics:** Technology process on renewable energy generation and use; Carbon capture and storage technology; Hydrogen energy: production and storage; Help energy consumers to make more sustainable decisions; Mobilizing industry for a clean and circular economy; Zero pollution ambition for a toxic-free environment; Preserving and restoring ecosystems and biodiversity; Energy storage and battery technology; Energy transportation and transmission; Mobilizing society for the energy transition; How digital evolution can help zero carbon footprint challenge

### **The Final Programme will be available on 15 September 2022.**

Selected papers will be presented during the conference and published into Chemical Engineering Transactions: <https://www.cetjournal.it>

The quality of this publication is valued by ISBN & ISSN numbers, reference by SCOPUS and SCHOLAR

**Exhibition & Sponsorship:** Spaces are available at Conference Venue for exhibition desks. A maximum surface that can be assigned to each booth is 3x2=6 m<sup>2</sup>. [Download the Sponsorship Guide here](#) with sponsorship packages description and exhibition solutions.

**Website:** <https://www.aidic.it/e2dt>

### **VIII International Congress "Engineering, Environment and Materials in Process Industry 20-23 March 2023, Mountain of Jahorina, Bosnia and Herzegovina (EFCE Event No. 789)**

The biannual event, organised by the Faculty of Technology Zvornik, traditionally combines great scientific content with stimulating lectures, networking opportunities and rich social programme. The purpose of the event is to discuss the current issues of the processing industry in a comprehensive and multidisciplinary manner, concerning sustainable development and environment protection.

An outstanding line up of invited speakers will be assembled to present their latest research. This Congress aims to promote a constructive discussion of the current trends and achievements in the process industry.

The congress seeks to provide a platform for researchers, scholars, PhD students and engineers working in the field of chemical engineering and technology, food engineering, environmental engineering, materials, chemistry, and biochemistry, which would allow a discussion of fundamental and applied research and facilitate international communication and collaboration between academia and industry.

**Topics:** Chemical and Electrochemical Engineering; Food Engineering and Biotechnology; Environmental Engineering; Materials and Material Characterization; Nanotechnology; Inorganic Chemistry and Technology; Organic Chemistry and Technology, Polymers; Plasma Technology; Energy Efficiency and Renewable Energy Sources; Textile Engineering; Corrosion and Protection of

Materials and Thermal Power Plants; Metallurgy; Management in the Process Industry; General Sections.

**The call for papers is open. Deadline 31 January 2023**

**Website:** <https://eem.tfzv.ues.rs.ba/>

### **15th Mediterranean Congress of Chemical Engineering - MECCE Barcelona, Spain, 30 May – 2 June 2023 (EFCE Event No. 788)**

The MECCE is organised by the SEQUI (SOCIEDAD ESPAÑOLA DE QUIMICA INDUSTRIAL E INGENIERIA QUIMICA) in conjunction with Expoquimia 2023 <http://www.expoquimia.com/en/home>

This 2023 congress is presented as a great opportunity to implement the entire 2030 Agenda from science and its power of transfer.

In addition, the special times in which we are involved mean that society, companies, and professionals need to obtain more real answers to the challenges we face in terms of digitalization, energy, decarbonization, circularity, new materials, and new surfaces. Considering, of course, all Chemical Engineering topics like Unit Operations and Separation Processes, Chemical Reaction Engineering, Process Systems Engineering, Product Engineering, Applied Biotechnology, Safety, Health and Environment, or Chemical Engineering Solutions to Global Societal Challenges. An edition where the scientific community will dress up to offer and to share its knowledge in essential and critical industrial sectors.

The great differential value of this congress is that it unites science and industry, being a unique bridge for the scientific and business communities to come together in an incomparable setting.

Innovations, solutions, discussions, and challenges will make up this edition of the chemical engineering congress. A historic congress that will set the guidelines for the industrial processes of the future.

The topic matrix is available at: <https://www.mecce.org/index.php/programme>

**The call for papers is open. Deadline for abstract submission: 31 January 2023**

**Website:** <https://www.mecce.org>

### **17th European Conference on Mixing (EFCE Event No. 773)**

The Mixing Conference is organised by the University of Porto on behalf of the EFCE Working Party on Mixing. **The physical conference in Porto, Portugal is postponed to 2023.**

**Website:** <http://mixing17.eu>

### **ECCE14 & ECAB8 - 14th European Congress of Chemical Engineering & 7th European Congress of Applied Biotechnology Berlin, Germany, 17-21 September 2023 (EFCE Event No. 782)**

The next ECCE & ECAB will take place as a face-to-face event from 17-21 September 2023 at the CityCube in Berlin, Germany. Make a note of this date in your calendar and look forward with us to interesting presentations, interactive exchange with colleagues, the diverse range of exhibitors and sponsors as well as a supporting programme that offers plenty of time for networking.

**Sign up for our newsletter to stay up to date.**

The call for papers will open soon.

**Website:** <https://ecce-ecab2023.eu/>

## Contact

Follow us on social media:



[facebook.com/theEFCE](https://facebook.com/theEFCE)



[bit.ly/EFCE\\_LinkedIn](https://bit.ly/EFCE_LinkedIn)



[@EFCE\\_Comms](https://twitter.com/EFCE_Comms)



[www.youtube.com/channel/UCxuvfbb5ST3DMHLAWZ6326w](https://www.youtube.com/channel/UCxuvfbb5ST3DMHLAWZ6326w)



**Ines Honndorf,**  
e-mail: [ines.honndorf@dechema.de](mailto:ines.honndorf@dechema.de)



**Claudia Flavell-While,**  
e-mail: [claudia@icheme.org](mailto:claudia@icheme.org)

Every effort is made to ensure the factual accuracy of the content of this e-newsletter, but EFCE cannot accept any responsibility for errors.