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

NEWS AND EVENTS JUNE 2026

Dear Readers,

Welcome to the June 2026 issue of EFCE News! In this issue you will find announcements of several excellent award winners as well as of new EFCE Executive Board members and a new Section on AI for Chemical Engineering, Early Career news, information about a huge number of upcoming EFCE events in 2026 and 2027, and the journal update. If you have any comments/suggestions, please contact us.

With kind regards,

Jarka Glassey
EFCE President

In this issue:

Prestigious Michael L. Michelsen Award presented to Ioannis G. Economou

Professor Ioannis G. Economou is the awardee of the **2026 EFCE Michael L. Michelsen Award**. The EFCE Working Party on Thermodynamics and Transport Properties selected Ioannis Economou for his internationally renowned research which combines in depth knowledge of molecular thermodynamics with a variety of applications across materials, energy, and environmental engineering (e.g., CO_2 capture, green solvents, MOFs, ionic liquids, pharmaceuticals, and shale gas technologies). The award also recognises his great commitment to the EFCE Working Party on Thermodynamics and Transport Properties, as its founding member and first Chair, and his strong commitment to education and training in thermodynamics and transport properties in chemical engineering, in Greece, Qatar and internationally.

Coinciding with the 20th anniversary of the Working Party founded in 2006, it is especially significant that the prize is awarded to its first Chair and co founder.

He said: "I am truly honoured by this recognition from our EFCE Working Party, which I gladly accept."

Ioannis G. Economou is Professor of Chemical Engineering at Texas A&M University at Qatar and currently serves as Executive Director of Research and Graduate Studies. Trained in chemical engineering in Greece (Diploma, National Technical University of Athens) and the USA (PhD, The Johns Hopkins University), he has held academic and research leadership roles in Greece, the United Arab Emirates, and Qatar, with additional visiting appointments worldwide and extensive industry consulting.

His research focuses on developing and validating molecular thermodynamic models to support sustainable process design in the oil and gas, chemical, and pharmaceutical sectors (e.g., gas separation, CO_2 capture, shale gas, green solvents, aqueous systems, and advanced materials such as MOFs, polymers, ionic liquids, and membranes). He has led numerous funded projects, supervised many graduate students and postdocs, published 250 peer reviewed papers, co-edited a Wiley book on natural gas processing (2019), and serves as Editor of *Fluid Phase Equilibria*. He is a fellow of the American Institute of Chemical Engineers (AIChE).

Nominating him for the Award, Professor Jean-Charles de Hemptinne wrote: "Professor Economou's career spans decades of groundbreaking research, leadership, and service to the chemical engineering community. His pioneering work in molecular thermodynamics has bridged the gap between fundamental science and industrial applications, addressing critical societal challenges such as energy transition, circular economy, and CO_2 management. Beyond his remarkable academic achievements, Professor Economou has demonstrated dedication to fostering collaboration and knowledge dissemination. He was instrumental in founding the EFCE Working Party on Thermodynamics and Transport Properties and served as its inaugural chairman from 2007 to 2013. Under his leadership, the Working Party grew to include 41 members from 24 countries, reflecting his vision of a united, global chemical engineering community."

Ioannis Economou presented a plenary lecture on 10 May at the opening of the 34th European Symposium on Applied Thermodynamics – ESAT 2026 (website: https://esat-2026.sci-meet.net/) held in Lisbon, Portugal, on 10-13 May 2026.

The 2026 Michael L. Michelsen Awardee is generously sponsored by **AVEVA**.

AVEVA is a global leader in industrial software, sparking ingenuity to drive responsible use of the world's resources.

Over 90% of the world's leading industrial enterprises rely on AVEVA to help them deliver life's essentials: safe, reliable energy, food, medicines, infrastructure, and more. By connecting people with trusted information and AI-enriched insights through our industrial intelligence platform, CONNECT, AVEVA helps them engineer capital projects more efficiently, operate better, and create sustainable value, from the plant to the cloud and beyond.

AVEVA's secure industrial information management and applications empower businesses to optimise how they work and drive deeper collaboration between teams and supplier, partner, and customer ecosystems.

The **Michael L. Michelsen Award** – previously called Distinguished Lecture on Thermodynamics and Transport Properties and re-named in recognition of its second laureate, the distinguished Professor Michael L. Michelsen (Denmark) – aims to honour a senior member of the community that is active in a European institution. The award is presented every two years by the EFCE Working Party on Thermodynamics and Transport Properties.

Carl Wagner Medal of Excellence in Electrochemical Engineering presented to Clément Trellu

The European Federation of Chemical Engineering (EFCE) and its Working Party on Electrochemical Engineering are pleased to announce that **Dr. Clément Trellu** is the winner of the **2026 Carl Wagner Medal of Excellence in Electrochemical Engineering**. The award recognises his outstanding contributions to research and application of electrochemistry and electrochemical engineering for environmental applications, focussing on electrochemical advanced oxidation processes and electrochemical (bio)reactor engineering for the treatment of organic compounds in contaminated water and soils.

The Award jury of the EFCE Working Party on Electrochemical Engineering emphasised that despite his early career stage Dr. Trellu's has already built an exceptional scientific record, which includes more than 40 peer-reviewed publications in leading journals, and 3 book chapters. Furthermore, the jury underlined his commitment to education and training.

Clément Trellu holds the position of Associate Professor (Maître de Conférences HDR) at Université Gustave Eiffel, France, following his appointment as Assistant Professor at the same institution within the Laboratoire Géomatériaux et Environnement. Prior to joining Université Gustave Eiffel, he held postdoctoral positions at the University of Montpellier (European Membrane Institute) and Université Paul Sabatier, Toulouse (Laboratoire de Génie Chimique), and completed research stays during his doctoral training in Germany and Italy.

Dr. Trellu obtained his PhD in Environmental Science and Technology in 2016 through the Erasmus Mundus Joint Doctorate program, conducted across Université Paris-Est (France), the University of Cassino and Southern Lazio (Italy), and UNESCO-IHE (The Netherlands). His research focussed on anodic oxidation processes for the treatment of soil washing solutions containing hydrophobic pollutants. This work contributed to a better understanding of competing reaction pathways, enabling tailored treatment strategies depending on whether solution reuse or complete organic removal was targeted. His research has since expanded to include porous electrode materials, electrochemically reactive filtration, and electro-Fenton-based treatment strategies, with a strong focus on understanding reaction pathways, mass transport, and energy efficiency in real-world matrices such as landfill leachates and textile effluents.

His current work emphasises the maturation and transfer of electrochemical wastewater treatment technologies, the role of electrode microstructure, and low-potential peroxide activation pathways aimed at improving efficiency while mitigating chloride oxidation.

Recommending him for the Award, Prof. Mehmet A. Oturan commended: "Dr. Clément Trellu combines exceptional scientific creativity, outstanding productivity,

strong leadership in electrochemical engineering, and a clear capacity to translate fundamental advances into impactful technologies."

The Carl Wagner Medal of Excellence in Electrochemical Engineering consists of a dedicated medal, a cash prize and travel grant, and an invitation to attend the 14th European Symposium on Electrochemical Engineering – 14th ESEE (website: https://strath.eventsair.com/esee-2026/), where the award was presented. The 14th ESEE was held in Glasgow, United Kingdom, on 8-11 June 2026.

The Award is generously sponsored by **CONDIAS**.

CONDIAS

CONDIAS is the world leader in the production of large-area polycrystalline diamond coatings for various applications such as diamond electrodes or wear protection.

We see ourselves as a partner in the worldwide effort to improve water quality and to enable more efficient and environmentally friendly processes in industry.

Our technology allows for an environmentally friendly process for the degradation of pollutants from water and for the disinfection of water systems, without the use of chemicals. Contributing to the preservation of our environment is our challenge at CONDIAS every day.

CAPE Excellence Award 2026 presented to two excellent young scientists

This year, the **EFCE Excellence Award in Recognition of an Outstanding PhD Thesis on Computer Aided Process Engineering (CAPE)** is presented to two laureates, **Dr. Lavinia Marina Paola Ghilardi** and **Dr. Jan Gerald Rittig**. The jury of the EFCE Working Party on Computer Aided Process Engineering decided to share the Award among the two candidates due to the extraordinary and equally high quality of their work in terms of relevance to the CAPE terms of reference, innovation, technical quality, scientific impact including industrial relevance, and dissemination of the results.

The award will be presented on 24 June 2026 at the 36th European Symposium on Computer Aided Process Engineering – ESCAPE'36 (conference website: (https://www.escape36.co.uk/home) which will be held in Sheffield, United Kingdom, on 21-24 June 2026.

Lavinia Marina Paola Ghilardi is a Research Associate in the Department of Computing at Imperial College London, United Kingdom.

She earned her Ph.D. in Energy and Nuclear Science and Technology from Politecnico di Milano, Italy, completed in 2024. Her academic background also includes an M.Sc. in Energy Engineering and a B.Sc. in Building Engineering, alongside an Erasmus experience at KU Leuven.

Her research combines optimisation and machine-learning methods for the design and operation of complex energy systems, supporting sustainability and efficiency in real-world applications.

The Award acknowledges Lavinia Ghilardi's excellent Ph.D. thesis on *'Numerical approaches for the optimisation of gas transportation networks'*, completed at Politecnico di Milano under the supervision of Professor Emanuele Martelli, with a research visit at Carnegie Mellon University, USA, hosted by Professor Lorenz Biegler. The primary objective of her Ph.D. research funded by SNAM (the Italian Natural Gas Transmission operator) was to develop an advanced optimisation approach (model, algorithm and code) to optimise operation (on/off status and loads) of the forty turbocompressors which push the natural gas across the Italian gas network. The goal was to improve environmental sustainability by minimising the CO_2 emissions associated with the energy required for gas compression, accounting for both gasturbine-driven and electrocompressors. Lavinia developed

an unprecedented MILP model which can efficiently optimise the operation of the whole gas network. Compared to previous works on gas network optimisation, the proposed approach can be used for complex gas networks featuring hundreds of pipes and nodes as well as multiple loops, control and bypass valves and reverse flows in all pipes. Applications of the algorithm to the Italian network demonstrate its potential to improve operational decisions, particularly in scenarios where operators have limited expertise or in sector-coupling contexts with the electric grid. Case studies highlight the importance of simultaneously optimising the compressor loads and the distribution of pressure across the network.

Prof. Martelli said: "Ghilardi's thesis must be considered an important contribution to the Computer Aided Process Engineering community since it has developed efficient methodologies for gas networks optimisation and successfully showed that they are suitable for large scale real networks."

Recommending her for the award, Prof. Viktor M. Zavala wrote: "I take this work as evidence of Lavinia's strong technical skills, of her ability to combine techniques from diverse areas, and of her persistence as a researcher. The contributions of Lavinia can allow practitioners to use highly detailed physical dynamical models in real-time decision-making, in exploring diverse operational scenarios, in reducing the carbon footprint of the system, and in understanding the impact of new assets (e.g., electric compressors)."

Jan Gerald Rittig obtained his Ph.D. in Process Systems Engineering at RWTH Aachen University with research stays in the USA, The Netherlands and the UK, following a B.Sc. and M.Sc. in Industrial Engineering with a specialisation in Process Engineering at the same University. From June 2025 to April 2026, he held the position of postdoctoral researcher in the Laboratory of Artificial Chemical Intelligence (LIAC) at EPFL in Lausanne, Switzerland. His research focused on machine learning for integrated molecular and process design. On 1 May 2026 he returned to RWTH Aachen University, Chair of Process System Engineering.

Alongside extensive teaching and supervision experience, he has contributed to open-source software for molecular property prediction and process optimisation.

His work has been recognised with several awards, including the 2025 CIC Young Scientist Award (GDCh) and the 2024 CAST Directors' Student Presentation Award (AIChE).

The Award acknowledges his excellent PhD thesis on '*Graph Machine Learning for Molecular Property Prediction and Design'*, completed at the RWTH Aachen University, Aachen, Germany, under the supervision of Professor Alexander Mitsos. This PhD thesis focuses on the use of machine learning (ML) for the prediction of physico-chemical properties of molecules as well as for Computer-Aided Molecular Design (CAMD). Jan Rittig developed graph neural networks (GNNs) for establishing quantitative molecular structure-property relationships and linked them to thermodynamic knowledge. In particular, he developed innovative architectures to predict thermodynamic potentials such as Gibbs free energy, from which many other properties can derived through automatic differentiation. Jan also developed generative ML models such as variational autoencoders (VAE) and reinforcement learning (RL) for molecular design. Creative methodologies that integrate VAEs with mixed-integer optimisation formulations allowed him to generate molecules with target properties. The graph-theoretic ML methods developed by Jan were also refined and validated in collaboration with BASF, finding that GNNs are able to predict physicochemical properties of their surfactants.

Prof. Mitsos said: "I am particularly impressed by how Jan managed to combine machine learning and fundamental thermodynamics for better prediction of properties. I am equally excited about his work on Molecular Design based on variational encoders and deterministic global optimisation."

Recommending him for the Award, Prof. André

Bardow wrote: "Dr. Rittig's PhD thesis rep-resents a significant and original contribution to computer-aided chemical process engineering. The work shines in quantity and in quality. By systematically integrating machine learning, thermodynamics, and optimisation, he has advanced molecular-level modeling in a way that directly supports a new level of reliable process design and sustainable chemical and energy systems."

The 2026 Excellence Award in Recognition of an Outstanding PhD Thesis on CAPE is generously sponsored by **AVEVA**.

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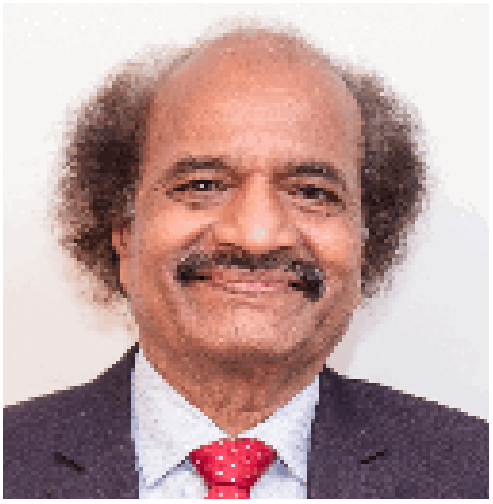
Laureate of the 2026 P.V. Danckwerts Memorial Lecture announced

Professor Ganapati D. Yadav, Emeritus Professor of Eminence from the Institute of Chemical Technology (ICT), Mumbai, India, and Vice President of the Indian National Science Academy (INSA), has been selected as the lecturer of the **2026 P.V. Danckwerts Memorial Lecture**. The distinguished lecture will be delivered by Professor Ganapati D. Yadav, on Monday, 9 November 2026 from 11:15 am to 12:15 pm at the 2026 AIChE Annual Meeting which will be held in Minneapolis, USA, on 8–12 November 2026.

The title of the lecture is '*Engineering Science Repurposed: Catalysis, Circularity, Sustainability, and Molecular Pathways to a Net-Negative Future'.*

Professor Ganapati D. Yadav is among the world's leading chemical engineering scientists, recognised for pioneering contributions to catalysis, green chemistry and engineering, process intensification, green H_2, CO_2 valorisation, and sustainable energy systems. A Bhatnagar Fellow of CSIR and Emeritus Professor of Eminence at ICT Mumbai, he served for over a decade as the founding Vice Chancellor, transforming ICT into a globally recognised centre of excellence.



The Danckwerts Lecture is one of the most distinguished honours in Chemical Engineering, established in 1985 to recognise the legacy of Professor Peter V. Danckwerts and to highlight individuals whose work has had a profound influence on both the science and practice of our field.

For the detailed CV of the lecturer and the lecture abstract see: https://www.sciencedirect.com/journal/chemical-engineering-science/about/danckwerts-lecture/2026-pv-danckwerts-memorial-lecture

New co-opted trustees to join Executive Board

The European Federation of Chemical Engineering, EFCE, welcomes two additional charity trustees which have been co-opted to the Executive Board at their meeting on 21 April 2026: **Dr. Laura Pirro** (Italy), and the current Chair of EFCE's Early Career Chemical Engineers Section, **Assistant Professor Theodoros Papalas** (United Kingdom).

They are joining the three Officers and charity trustees elected to the Executive Board in September 2025 and March 2026. For the full list of Executive Board members, visit the EFCE website at: https://efce.info/About+EFCE/Leadership.html

New EFCE section on Artificial Intelligence for Chemical Engineering

The Federation is proud to announce the establishment of an EFCE Section on Artificial Intelligence for Chemical Engineering (AI4CE). The aim of the Section is to connect, support, demystify, and inform the EFCE community in the responsible and impactful adoption of AI in chemical and process engineering, with a central focus on the industrial application of AI.

The Section brings together academia, industry, and innovation ecosystems to support the safe and trustworthy adoption of AI across the European process industries. Its activities span industrial roundtables and use-case brokerage, a European symposium on AI in chemical engineering, summer schools and training events, and evidence-based briefing documents — developed in close coordination with EFCE Working Parties and Sections.

Inaugural meeting. The Section will hold its inaugural meeting at ESCAPE'36 in Sheffield, UK, on Monday, 22 June 2026, from 13:00 to 14:00. The session will bring participants together to exchange ideas, strengthen collaboration, and discuss the next steps for the initiative. New members are warmly welcome.

Contact: Idelfonso B. R. Nogueira (Section Chair, NTNU, Trondheim, Norway) — idelfonso.b.d.r.nogueira@ntnu.no

Section website: https://efce.info/Section_AI4CE

EFCE Early Career Interviews

EFCE Early Career Interviews is a task force of the Early Career Chemical Engineers Section that aims to highlight outstanding early career chemical engineers across Europe who have achieved significant milestones in their professional journeys. Through thoughtful interviews, the task force explores their experiences, challenges, and successes, offering insights into the career paths they have taken and the lessons they have learned along the way. By sharing these stories, they aim to inspire, connect, and support the next generation of chemical engineers as they navigate their own careers.

These stories are shared through both written features and podcast episodes available on the Section's Spotify channel. You can explore the individual interviews to discover the journeys, insights, and advice of early career chemical engineers from across Europe.

In the inaugural EFCE Early Career Interviews episode, the task force sits down with **Dr. Arik Beck**, research group leader at Karlsruhe Institute of Technology(KIT) in Germany. From studying chemical engineering in Karlsruhe, to a PhD at ETH Zurich and research stays at Stanford University and UC Santa Barbara, Arik's journey spans some of the world's leading research institutions and is recognised with various distinctions, including the EFCATS Best PhD Award (2023), the ETH Zurich Silver Medal and major research funding such as a Helmholtz Investigator Group Leader position.

Read the full interview at:

https://efce.info/Scientific+Groups/Early+Career+Chemical+Engineers/Task+Forces/ChemE+Interviews+_+Podcasts/Arik+Beck.html

or hear the podcast on Spotify at: https://open.spotify.com/episode/5gE8dTzpoUoffKQjPITfBe

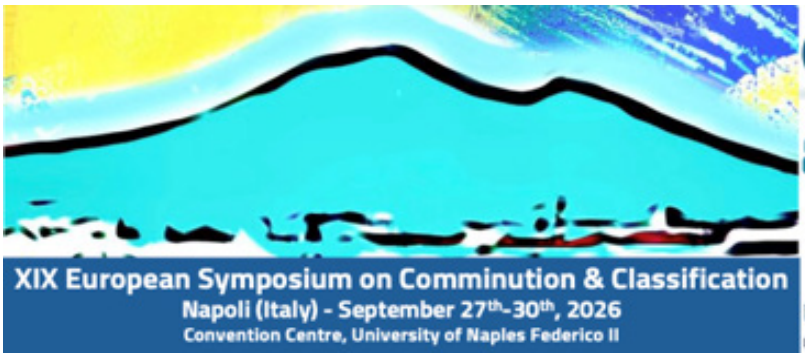
Early Career Plenary Lecturer at IPEC 2026

Dr. Jens Bremer has been selected as the **Early Career Plenary Lecturer** for the 1st International Process Engineering Conference (IPEC 2026), which will take place from 22–25 November 2026 in Tashkent, Uzbekistan. The title of his lecture is *'Leaving Steady-State Behind: Operating Fixed-Bed Reactors for a Net-Zero Chemical Industry'*.

Jens Bremer is a tenure-track professor at Clausthal University of Technology (Germany), where he holds the Chair for Chemical Energy Storage. His research focuses on Power-to-X and chemical energy storage, catalytic reactors, multi-scale modelling and simulation, and model-based optimisation and control for low-carbon chemical processes under dynamic operating conditions. He also develops advanced process sensing concepts for monitoring catalytic processes and validating dynamic reactor models. He also actively contributes to the professional community as a speaker within the Power-to-X guideline workgroup (VDI 4635) of the Association of German Engineers (Verein Deutscher Ingenieure).

Working Party and Section News

Join the upcoming event of the Working Party on Comminution and Classification – the 19th European Symposium on Comminution and Classification (ESCC 2026)



The 19th European Symposium on Comminution and Classification (ESCC) will be held in Napoli, Italy, from September 27th to 30th, 2026, at the Convention Centre of the University Federico II. The conference, the 19th in a series started in 1962, is promoted by AIDIC (The Italian Association of Chemical Engineering) and is organised on behalf of the Working Party on Comminution and Classification of EFCE, welcoming scientific and technological contributions on traditional and newly-added aspects spanning from fundamentals, modelling, technological and environmental applications, to food, pharma, mining industry, innovative materials, and use of artificial intelligence related to the exciting field of particle comminution and classification.

This event represents an opportunity to exchange up-to-the minute information on industrial needs, new technology developments and research opportunities, attracting leading Industrialists and Academics from all over the world.

The panel of Plenary and Keynote Speakers include: Giancarlo Cravotto (University of Turin, Italy), Arno Kwade (Braunschweig University of Technology, Germany), Luis Marcelo Tavares (Federal University of Rio de Janeiro, Brazil), Andrea Benassi (Chiesi Farmaceutici R&D, Italy), Claire Mayer-Laigle (National Research Institute for Agriculture, Food and Environment, Montpellier, France), Aubrey Mainza (University of Cape Town, South Africa), Wolfgang Peukert (Friedrich-Alexander-University Erlangen-Nürnberg, Germany), Orla Williams (University of Nottingham, UK), Mohsen Yahyaei (The University of Queensland, Australia).

Please refer to our website, constantly updated (https://www.aidic.it/escc2026/), for all the information. We warmly look forward to welcoming you to Napoli!

Cooperation with APCCHE

Apply for free and discounted registration

As part of the Memorandum of Understanding (MOU) between EFCE and the Asian Pacific Confederation of Chemical Engineering (APCChE), that has been entered into effect as of 31 July 2025, EFCE and APCChE agreed to offer free and discounted registration to selected events:

55th Chemeca

28-30 September 2026, Marvel Stadium in Melbourne, Australia

Brief Introduction: Chemeca is organised by the Australian and New Zealand Federation of Chemical Engineers (ANZFChE). It is the annual conference for the Australian and New Zealand community of chemical and process engineers and industrial chemists. It serves as a major regional gathering where professionals from industry, academia, and government come together to share knowledge, research, best practices, ideas, and innovation.

Call for paper: https://www.chemeca.org/call-for-abstracts

Website: https://www.chemeca.org/

Offer: One free and six discounted registrations (early-bird registration fee) are available for EFCE representatives. If you are a member of one of the EFCE Member Societies and have submitted an abstract for the above conference you may apply for the free and discounted registration by sending your abstract to the EFCE secretariat at: office@efce.info

In addition, for Chemeca, early bird registrations is especially open for EFCE delegates until 1 August 2026.

In addition, 20% discount on relevant Sponsorship fees is offered to EFCE-presented companies interested in participating as Sponsor or Exhibitor in the above-mentioned event.

Asian Pacific Confederation of Chemical Engineers Congress 2027 – APCCHE Congress 2027

Sydney, Australia, 29 November – 2 December 2027

The congress is held in conjunction with Chemeca 2027 and has the theme *'Collaborating to deliver a secure, sustainable and equitable future.'* APCChE Congress 2027 will bring together the brightest minds, global innovators, and influential decision-makers from across the Asia-Pacific and beyond, creating a powerful platform for collaboration, discovery, and industry advancement. The event will feature plenaries, keynotes, lectures, workshops, and poster sessions, bringing together academics and industry professionals from the Asia-Pacific region and beyond.

Call for papers: The timeline for abstract submissions is as follows:

Call for Abstracts Opens: **1 October 2026**

Abstracts Close: **3 May 2027**

Website: https://apcche27.com/

News about the official EFCE journals

New journal in the series: Process Engineering for Sustainable Development (PESD)

Aims and scope

Process Engineering for Sustainable Development (PESD) is an Open Access journal that provides a dedicated platform for advancing research at the interface of chemical engineering and global sustainable development. The journal publishes high-quality, peer-reviewed contributions that demonstrate how chemical engineering principles, processes, and innovations can accelerate progress towards a sustainable and equitable future. Research across all areas of chemical engineering is welcome, but submissions should demonstrate clear alignment with the United Nations' (UN) Sustainable Development Goals (SDGs), or any future successor framework for global sustainable development, within the following topic areas:

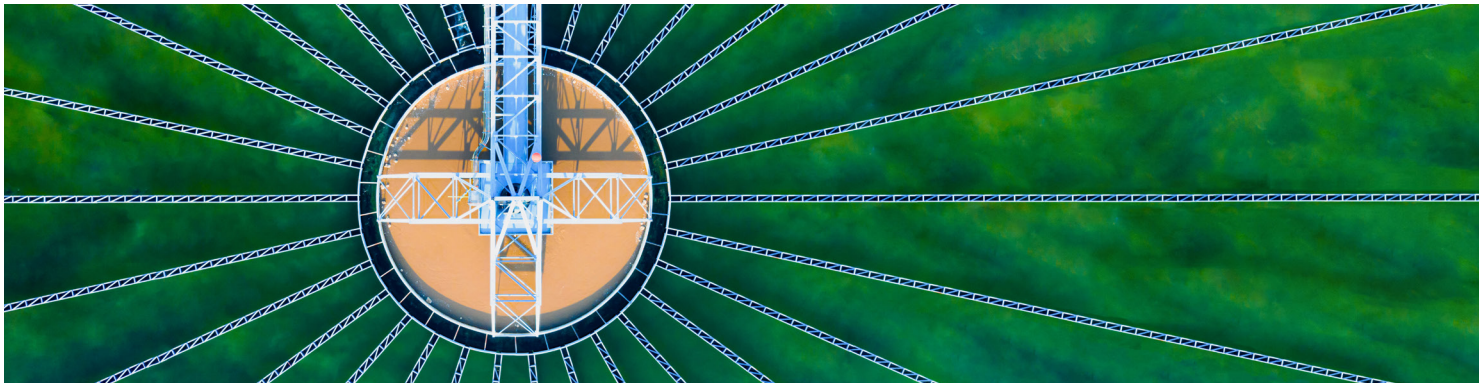
- Human Health and Wellbeing – bioprocessing and process technologies for pharmaceuticals, vaccines, biotherapeutics, nutraceuticals, and foods; technologies for improved healthcare; and safe materials.
- Energy Systems and Technologies – energy generation/harvesting from renewable sources; energy storage systems; electrochemical processes; energy efficiency; process intensification for materials and energy.
- Water and Sanitation – process engineering for water and wastewater treatment; resource recovery and circular water technologies; water management and resilient water systems; water–energy nexus.
- Responsible Resource Consumption and Production – green chemistry; sustainable process design; waste valorisation and resource recovery; circular economy engineering processes.
- Environment, Climate and Ecosystems – emission avoidance and minimisation systems and technologies; carbon capture and utilisation; greenhouse gas mitigation; climate-resilient process systems; pollution control; process safety for eco-environmental protection.

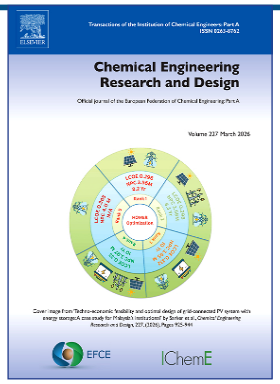
Importantly, within the above main topic areas, the journal is open to submissions that demonstrate the contribution of chemical and process engineering to any of the 17 SDGs, or their future successors, including interdisciplinary work spanning the environmental sciences, life sciences, data science, policy, and socio-economic dimensions.

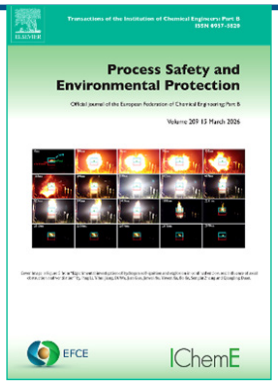
The journal publishes:

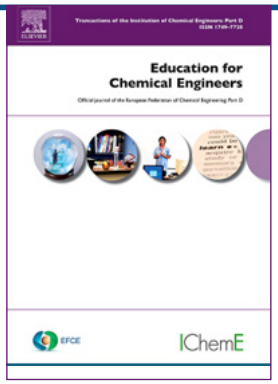
- Original research articles presenting significant advances in theory, experiment, or application.
- Reviews and perspectives synthesising current knowledge and future directions.
- Short communications highlighting emerging concepts, methods, or technologies.
- Policy-relevant studies connecting chemical engineering innovation with sustainable development frameworks.

Through its alignment with the UN SDGs and any future successor framework put in place by the UN beyond the existing one, PESD seeks to foster cross-disciplinary dialogue, highlight the societal impact of chemical engineering, and support the translation of research into real-world solutions for global challenges. Moreover, it reflects the mission of the Institution of Chemical Engineers (IChemE) to put chemical and process engineering at the heart of a sustainable future.









Other journal news

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

Chemical Engineering Research and Design
https://www.linkedin.com/company/chemical-engineering-research-and-design/

Food and Bioproducts Processing
https://www.linkedin.com/company/food-and-bioproducts-processing

Education for Chemical Engineers
https://www.linkedin.com/company/education-for-chemical-engineers/

Sustainable Production and Consumption
https://www.linkedin.com/company/sustainable-production-and-consumption/

Carbon Capture Science and Technology
https://www.linkedin.com/in/ccst-journal-a084a9212/

Digital Chemical Engineering
https://www.linkedin.com/company/digital-chemical-engineering

Process Safety and Environmental Protection
https://www.linkedin.com/company/process-safety-and-environmental-protection

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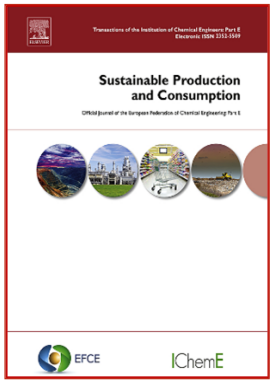
The following articles/issues are set for free access periods. In addition to these, articles that are published via the open access route in the journal are also freely available to all. These are identified in ScienceDirect by a green dot. It is possible to sign up to an RSS alert specifically to inform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

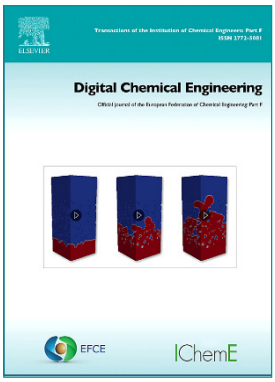
Chemical Engineering Research and Design

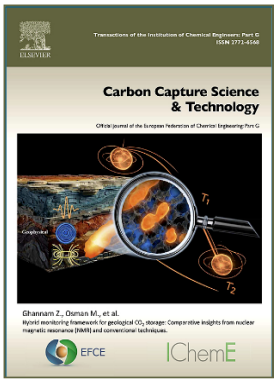
https://www.sciencedirect.com/journal/chemical-engineering-research-and-design

Freely available content:

- January 2026 issue (volume 225)
  https://www.sciencedirect.com/journal/chemical-engineering-research-and-design/vol/225/suppl/C
- Special Issue of the 27th International Congress of Chemical and Process Engineering (CHISA 2024)
  https://www.sciencedirect.com/special-issue/10DSP19RFWC







- The Emerging Stars Special Issue (Volume II) https://www.sciencedirect.com/special-issue/1065LHT6BK1

- Special Issue on the 11th International Granulation Workshop https://www.sciencedirect.com/special-issue/10V319SXGDB

Process Safety and Environmental Protection

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

Freely available content:

- **NEW** Process Safety Integration: Loss Prevention Technologies for Disaster Protection and Industrial Activities (ISUIS 2024) https://www.sciencedirect.com/special-issue/10MBB42KJDM

- Advances in Green Management and Treatment of Waste https://www.sciencedirect.com/special-issue/1092NQ7NC3K

- Techno-Economic Analysis of Emerging Energy Generation Processes and Technologies for Climate Change Mitigation https://www.sciencedirect.com/special-issue/105HQ5JZR0N

- Artificial Intelligence in Safety https://www.sciencedirect.com/special-issue/104CXXDK1VN

- January 2026 issue (Volume 205) https://www.sciencedirect.com/journal/process-safety-and-environmental-protection/vol/205/suppl/C

Food and Bioproducts Processing

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

Freely available content:

- January 2026 issue (Volume 155) https://www.sciencedirect.com/journal/food-and-bioproducts-processing/vol/155/suppl/C

- Microbe-assisted food and bioproducts processing: Emerging approach for Sustainable food production and security https://www.sciencedirect.com/special-issue/10J7Z1B7VD1

Education for Chemical Engineers

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

Freely available content:

- January 2026 issue (Volume 54) https://www.sciencedirect.com/journal/education-for-chemical-engineers/vol/54/suppl/C

Sustainable Production and Consumption

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

Freely available content:

- The SPC article winning the IChemE Hutchison Medal, 2026 '*Beyond greenhouse gases – Comprehensive planetary boundary footprints to measure environmental impact*' https://doi.org/10.1016/j.spc.2024.10.009

- The SPC article winning The Frontier Planet Prize, 2025 '*Absolute environmental sustainability assessment of rice in Pakistan using a planetary boundary-based approach*' https://doi.org/10.1016/j.spc.2023.05.016

- January 2026 issue (Volume 62) https://www.sciencedirect.com/journal/sustainable-production-and-consumption/vol/62/suppl/C

Digital Chemical Engineering

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Including the following special issues:

- Next-Generation Materials and Digitalisation for Carbon Capture, Utilisation, and Storage (CCUS): The Role of AI and Machine Learning https://www.sciencedirect.com/journal/carbon-capture-science-and-technology/special-issue/10X6LB4BWX6
- The 12th Trondheim Conference on CO_2 Capture, Transport and Storage https://www.sciencedirect.com/journal/carbon-capture-science-and-technology/special-issue/10XQQ59GVBR
- Accounts of Carbon Capture Research https://www.sciencedirect.com/journal/carbon-capture-science-and-technology/special-issue/10Q72SV6132
- Solid Sorbents for Carbon Capture https://www.sciencedirect.com/journal/carbon-capture-science-and-technology/special-issue/109X8MPMPLL
- Nanomaterials Tailored for CO_2 Science https://www.sciencedirect.com/journal/carbon-capture-science-and-technology/special-issue/105Q772XQ5P

Invitation to submit papers

We have a number of special issues planned that are currently open to all for submissions. If you require any further information then please contact Managing Editor Colin Smith csmith@icheme.org

Details as follows:

Chemical Engineering Research and Design

https://www.sciencedirect.com/journal/chemical-engineering-research-and-design/about/call-for-papers

Special Issue: Astrochemical Engineering (Manuscript submission deadline **01 July 2026**)

Process Safety and Environmental Protection

https://www.sciencedirect.com/journal/process-safety-and-environmental-protection/about/call-for-papers

Special Issue: Sustainable Valorisation of Industrial Side-Streams for Enhanced Process Safety and Environmental Protection in Hard-to-Abate Sectors (Manuscript submission deadline **30 June 2026**)

Special Issue: Innovations in Disaster Management: Integrating Safety Research into Operational Practices (Manuscript submission deadline **01 July 2026**)

Education for Chemical Engineers

https://www.sciencedirect.com/journal/education-for-chemical-engineers/about/call-for-papers

Special Issue: Digitalisation in Chemical Engineering Education: AI-Enabled Teaching, Learning, and Assessment – Perspectives from the World (Manuscript Submission Deadline **01 August 2026**)

Carbon Capture Science and Technology

https://www.sciencedirect.com/journal/carbon-capture-science-and-technology/about/call-for-papers

Special Issue: Metal Organic Frameworks from Molecular Design to Scalable Applications: Advances in Synthesis, Processing, and Deployment (Manuscript submission deadline **01 September 2026**)

Special Issue: Synergies between Carbon Capture, Utilisation, and Storage Technologies and Building Materials (Manuscript submission deadline **01 December 2026**)

Special Issue: 2026 IChemE and CCST Distinguished Investigator Awards (Manuscript submission deadline **31 December 2026**)

Digital Chemical Engineering

https://www.sciencedirect.com/journal/digital-chemical-engineering/about/call-for-papers

Special Issue: Resilient Chemical Engineering Systems in the Digital Age (Manuscript submission deadline **30 June 2026**)

EFCE Events in 2026-27
Events organised by or on behalf of EFCE

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

36th European Symposium on Computer Aided Process Engineering 2026 – ESCAPE'36

Sheffield, United Kingdom, 21-24 June 2026 (EFCE Event No. 830)

ESCAPE is organised by the EFCE Working Party on CAPE in cooperation with the University of Sheffield. The organisation will be led by members of the University's School of Chemical, Materials and Biological Engineering, in collaboration with the Institution of Chemical Engineers (IChemE) and the Grantham Centre for Sustainable Futures.

Since it began, ESCAPE has become a prestigious platform for the process systems engineering community to connect with experts, share innovative ideas, and explore latest advancements. Spread across four days, researchers, industry professionals, and students, will enjoy a wide range of presentations, posters, plenary speakers, workshops, panel discussions, networking opportunities, and social events.

Topics: Resilient Sustainability through CAPE; CAPE in Circular Economy; CAPE in Clean Energy Systems; CAPEing with Uncertain Futures; Pharmaceutical and Biotechnological Systems; Modelling and Simulation; Process Design, Scheduling and Optimisation; Process Control and Operation; CAPE in Education, Knowledge Transfer and Entrepreneurship. For details click here

Plenary speakers: Marianthi Ierapetritou, University of Delaware, USA (2025 IChemE Sargent Medal Winner); Vassilis Charitopoulos, University College London, UK; Tony Ryan OBE, University of Sheffield, UK; Geoff Darch, Anglian Water, UK.

Register now!

Website: https://www.escape36.co.uk

Sustainable Systems and Chemical Engineering Conference – SuSChemE 2026

Athens, Greece, 29-30 June 2026 (EFCE Event No. 829)

SuSChemE 2026 is organised by the EFCE Section on Sustainability in cooperation with the Hellenic Association of Chemical Engineers (HACE) and the Technical Chamber of Greece (TCG). The event is held in conjunction with SUSTENS 2 – '*SUSTainable ENgineering Systems*' of the SUSTENS HUB – a global platform connecting engineers across chemical, mechanical, environmental, and computer-aided systems disciplines.

SuSChemE is the inaugurating flagship event of the EFCE Sustainability Section, an initiative driven by the vision of positioning chemical engineering at the forefront of the transition to sustainable development. Rooted in a systemic and holistic approach, the EFCE Sustainability Section promotes the rebuilding of industries through circular economy principles, innovative technologies, and solutions that balance human needs with planetary viability. With strong academic and industrial participation, SuSChemE provides a platform for leadership, collaboration, and scientific progress in sustainable process and product innovation.

On **Monday 29 June**, the Conference will host the **Industrial Day**, dedicated to industry perspectives and their supporting innovation ecosystem towards achieving Net Zero targets. The Industrial Day aims to foster networking among participants and to highlight the practical implementation of Sustainability, Digitalisation, and Artificial Intelligence. Preliminary programme.

Topics: 1. Green and Sustainable Technologies; 2. Biotechnology Engineering Systems; 3. Power-to-X Systems; 4. AI-Driven Engineering Solutions; 5. Process Engineering and Industrial Applications; 6. Safe and Sustainable by Design Processes and Materials. For details see Key dates and Topics – SuSChemE – SUSTENS 2

Confirmed speaker: Prof. Bhavik Bakshi, Arizona State University, USA; Dimitris I. Collias, University of Pennsylvania, USA; Stratos Pistikopoulos, Texas A&M Energy Institute, USA; Marc-Olivier Coppens, University College London, UK; Andreas Falk, CEO BioNanoNet ForschungsGmbH (BNN), Coordinator of SusChem Community and InnoMatSyn, Austria; Vitor Martins dos Santos, Wageningen University and Research, Biotechnology and SSbD, The Netherlands; Antonio Del Rio Chanona, Imperial College London, UK; Fengqi You, Cornell University; Gonzalo Guillén Gosálbez, ETH Zurich, Switzerland; Meihong Wang, University of Sheffield, UK.

Awards: Best presentation: 500 €; Best poster: 300 €; Industrial Awards

Candidature for either industrial award must be submitted via the official online forms below by close of business 15 June 2026:

Register now!

Website: https://www.suscheme-sustens2.com/

International Conference on environmental monitoring of odours and VOCs – NOSE 2026

Torino, Italy, 6-8 July 2026 (EFCE Event No. 825)

NOSE 2026 is organised by AIDIC, the Italian Association of Chemical Engineering.

The study and assessment of odours is becoming increasingly important across many sectors. Since its first edition in 2008, the NOSE conference series has focused on the latest developments in environmental odour monitoring and control.

In recent years, the conference has expanded its scope to include other areas which is based not solely on odour and odorant assessment, but also on specific pollutants like VOCs.

The goal of the NOSE conference series is to bring together members of the scientific and industrial communities from around the world. It provides a platform to exchange experiences and ideas, discuss innovations in environmental odour research, and explore a wide range of topics, offering a comprehensive perspective on this continuously evolving field.

Topics: Odour regulation and relevant standards; Sources sampling and characterisation; Chemical characterisation of odours; Sensorial measurements; Odour and gas sensing; Community participation; Toxicity and health; Dispersion modelling; Odour emission control. For details click here

Plenary Speakers: Prof. James A. Covington, University of Warwick, UK; Prof. Richard Stuetz, University of New South Wales, Australia.

INDUSTRIAL WORKSHOP – Odour and Industry, from concepts to practice:
8 July 2026, 2pm-6pm

The workshop has the purpose to explore odour pollution through practical industrial scenarios and real-world applications. This event highlights challenges specifically encountered across diverse industrial contexts and examines the mitigation strategies that have already been implemented in different sectors. By reflecting on their effectiveness, limitations, and lessons learned, the workshop aims to provide a platform to inspire new perspectives and stimulate constructive dialogue. Through exchange and discussion, the workshop seeks to support the development of more effective, scalable, and scientifically grounded approaches to odour management in industrial settings. Download the flyer here

Register now!

Website: https://www.aidic.it/nose2026/

28th International Congress of Chemical and Process Engineering – CHISA 2026

Prague, Czech Republic, 23-27 August 2026 (EFCE Event No. 826)

CHISA 2026 is organised by the Czech Society of Chemical engineering under the theme '*The future of the world relies on engineers: chemical engineers meet at CHISA*'.

CHISA – the world's chemical engineering congress with the longest tradition. What makes CHISA truly unique is its almost family-like atmosphere: students and young researchers meet world-renowned experts at the same table, creating space for genuine networking, exchange of ideas, and intergenerational connections. This spirit of openness and collaboration is the hallmark of CHISA, making every edition a special experience.

Topics: Global Thoughts; Energy; Matter In Motion; Not Only Faster; Particles; Green Issues; You must know; College; Process Integration, Modelling and optimisation for Energy Savings and Pollution Reduction. For details click here

Plenary speakers: Patricia Luis Alconero, Catholic University of Louvain, Belgium; Enis Leblebici, KU Leuven, Belgium; Edwin Zondervan, University of Twente, The Netherlands; Dmitry Murzin, Abo Akademi, Finland; Jozef Chmelař, ContiPro, Czech Republic. For information about the Welcome ceremony, Congress concert, students beer party and Congress dinner see Social Programme – CHISA 2026 Prague.

Congress Awards: Best poster competition for students 2026.

Exhibition MARCHES: MARCHES 2026 – the MARket for CHemical Engineering and Services will also take place during CHISA 2026. If you are interested, please email us at org@chisa.cz

Register now!

Website: https://2026.chisa.cz

13th International Conference on Distillation and Absorption – D&A 2026

Salzburg, Austria, 30 August – 2 September 2026 (EFCE Event No. 821)

Distillation and Absorption 2026 is organised by the EFCE Working Party on Fluid Separations in cooperation with DECHEMA e.V.

The conference will cover a broad range of fundamental and applied aspects of distillation and absorption technology. Plenary lectures, oral presentations in two parallel sessions and poster sessions will be offered. Beyond that we are confident that numerous sponsors and exhibitors will present their product range and research.

Topics: Novel, Fine, Pharma and Biochemical Processes; Basic Data including AI and ML; Modelling and Simulation including AI and ML; Control, Operation and Process Troubleshooting; New Methods, Equipment and Process Designs Intensified Processes, Additive Manufacturing, Special Driving Forces, Hybrid Processes; Carbon Capture Technologies and Sustainability Assessment; Energy and material transition Integration and Efficiency, Electrification, Flexibility, Circular Economy; Education.

Sponsors: ENVIMAC Engineering GmbH, Koch Engineered Solutions GmbH, Ruhr-Universität Bochum, Sulzer.

Register now!

Website: https://dechema.de/en/da2026.html

18th European Conference on Mixing – Mixing18

Limerick, Ireland, 30 August – 2 September 2026 (EFCE Event No. 827)

Mixing18 is organised by the EFCE Working Party on Mixing and hosted at the University of Limerick.

Conference Theme: *Smarter Mixing – for More Sustainable Processes and Products* Innovation that drives efficiency, reduces environmental impact, and delivers real-world benefits. MIXING18 will explore cutting-edge advances in mixing science and technology with a strong emphasis on sustainability, digital innovation, and practical impact across industries. It will focus on innovations that enable efficient, low-energy, and environmentally responsible mixing solutions.

Key Themes: Single-phase and multiphase mixing: laminar and turbulent regimes; Handling complex fluids (non-Newtonian, viscoelastic, emulsions, suspensions); CFD models and advanced simulations; Mixing and heat/mass transfer; Mixing and aeration in (bio)pharmaceutical and biotech systems; Reactive mixing, crystallisation, dissolution, precipitation; Mixing in continuous and intensified processes (micro/milli-reactors, plug flow) For details click here

Register now!

Website: https://mixing18.dryfta.com/

European Forum for Engineering and Catalysis Towards Sustainability – effects2026

Milan, Italy, 31 August – 4 September 2026 (EFCE Event No. 842)

The second edition of the European Forum for Engineering and Catalysis Towards Sustainability (effects) is an official YEuCat event, endorsed by the European Federation of Catalysis Societies (EFCATS) and organised under the auspices of the Italian Association of Chemical Engineering (AIDIC) and the Group of Catalysis (GIC) of the Italian Chemical Society (SCI). The forum will focus on an interactive and interdisciplinary discussion on the role of catalysis and reaction engineering in the current push towards the energy transition and a more sustainable chemical industry. Participants will also engage in teamwork activities to develop and pitch a competitive research proposal in the field of catalysis. The program includes a visit to the ENI Research Center in San Donato Milanese to provide insight into industrial research and innovation.

Topics: The program emphasises the collaborative aspect of research and revolves around interdisciplinary and interactive problem-solving tasks. Participants will work in groups on case studies of high relevance, with input from industrial partners. Fundamentals and a perspective on these problems will be provided by three invited speakers working in the areas of catalysis and/or reaction engineering. Additionally, participants will present and discuss their own work in either a pitch presentation or a poster session.

Invited speakers: Prof. Enrico Tronconi, Politecnico

di Milano, Italy; Dr. Roberta Villamaina, Johnson Matthey, United Kingdom; Dr. Tilman Schildhauer, Paul Scherrer Institute, Switzerland.

The call for papers is open! Extended deadline for abstract submission: **20 June 2026**

Note that participation in the forum is subject to the approval of an abstract. All attendees are expected to present their work either as a pitch presentation or with a poster.

Website: https://www.youngcatalysis.net/effects-2026

14th PhD-Student Workshop on Polymer Reaction Engineering

Potsdam, Germany, 5-7 September 2026 (EFCE Event No. 840)

The PhD-Student Workshop is organised by the EFCE Working Party on Polymer Reaction Engineering in conjunction with the 15th International Workshop on Polymer Reaction Engineering (PRE XV) will take place directly after the workshop, from September 8th to 11th, in the same location. The organisers are very thankful to the host, Fraunhofer IAP, for making their conference center available as this year's venue.

This workshop is specifically designed for Ph.D. students seeking contact with fellow students and the polymer industry.

Call for abstracts and registration are open.

Abstract submission deadline: **13 July 2026**

Registration deadline: **1 August 2026**

Registration fee for PhD students: 150 EUR

Event sponsorship: The workshop provides a platform for industry representatives to meet a large number of potential international job applicants in the field of polymer reaction engineering in an informal but effective way. You can also promote your company by sponsoring one of our social events. There is also the option to attend the workshop as an industry representative only and pay the industry representative registration fee. In either case, your attendance and course materials will be covered, as will your participation in the social events. If you have any questions in this regard or are interested in becoming a sponsor, please click on contact wppre@pre.tu-darmstadt.de

Website: https://www.chemie.tu-darmstadt.de/busch/forschung_akbusch/wppre/formular.en.jsp

23rd International Symposium on Industrial Crystallisation – ISIC 2026

Budapest, Hungary, 6-9 September 2026 (EFCE Event No. 837)

ISIC 2026 is organised by the EFCE Working Party on Crystallisation in cooperation with the Budapest University of Technology and Economics and AKCongress. Organised every three years, the ISIC series has become an important source of information in the field of industrial crystallisation and provides ample opportunities for participants to establish personal contacts and engage in discussions.

The 23rd conference is planned to be organised around five general themes that cover most aspects of the current science and technology of crystallisation: Fundamentals of crystallisation; Crystallisation and precipitation in fine chemical, specialty and life-science industries; Developments in large scale industrial crystallisation; Contributions of crystallisation to sustainability; and Integrated process design: Crystallisation in the industrial process chain.

The symposium will also be a unique occasion for students to introduce their work, and for exhibitors to meet their customers.

Topics: Fundamentals of crystallisation (thermodynamics, kinetics, polymorphism, etc.); Crystallisation in fine chemicals, specialty and life-science industries; Developments in large-scale industrial crystallisation; Crystallisation for sustainability; Integrated process design: crystallisation in the industrial process chain (reaction – work-up – recycle); Crystal engineering (polymorphism prediction, crystal habit control); Data-driven modelling, data science for design, control and technology transfer; Advances in process monitoring; Mechanistic modelling and numerical/analytical solution methods.

Plenary speakers: Michael F. Doherty, University of California, USA; Kerstin Forsberg, KTH – Royal Institute of Technology, Sweden; Jerry Heng, Imperial College London, UK; Elena Simone, Politecnico di Torino, Italy; Hiroshi Takiyama, Tokyo University of Agriculture and Technology, Japan.

Submission deadline for late poster presentations: 20 July 2026

Register now! Registration deadline for standard fee: 15 August 2026

Exhibition and Sponsorship: Sponsors and partners are welcome to present their outstanding products and services at ISIC 2026.The symposium provides direct scientific networking opportunity. For more information please contact isic2026@akcongress.com. Silver sponsor: Laminar; Exhibitors: Technobis, Crystal

Vision, Mettler Toledo, CrystalGrower.

Website: https://akcongress.com/isic2026/

XIX European Symposium on Comminution and Classification – ESCC 2026

Naples, Italy, 27-30 September 2026 (EFCE Event No. 816)

ESCC 2026 is organised by the EFCE Working Party on Comminution and Classification in cooperation with the Italian EFCE Member Society AIDIC, the Italian Association of Chemical Engineering.

Topics: Fundamentals of particle breakage; Particulate characterisation; Mechanisms of grinding, dispersing and classification; Modelling of comminution and classification processes; Wear, erosion, contamination; Technological application fields of comminution and classification such as: chemical engineering operations and reactors, recycling industry and waste processing, environmental applications and renewable energy, mining, food, pharma, battery industry; Mechanochemical and mechanofusion processes, bulk and surface mechanical transformations, mechanical alloying; Plant operation, control and energy optimisation in milling and classification processes; Innovative materials for comminution and classification; Powders flowability and floodability in milling operations, grinding aids; Cell disintegration and recovery of high added-value products; Application of machine learning, automation and artificial intelligence to comminution and classification processes.

Further details see above.

Register now! Early-bird registration deadline: 15 June 2026

Website: https://www.aidic.it/escc2026/

International Conference on Chemical Engineering as Applied to Medicine – ChEMed 2026

Cagliari, Italy, 26-28 October 2026 (EFCE Event No. 828)

ChEMed 2026 is organised by the EFCE Section on Chemical Engineering as Applied to Medicine in cooperation with the Italian EFCE Member Society AIDIC, the Italian Association of Chemical Engineering. The main goal of the conference is to provide a forum for discussing the use of the scientific basis and methods of chemical and process engineering to solve various problems in physiology, medical diagnosis and therapy, health care, toxicology, etc.

The Conference technical program is structured in parallel sessions, which will be held over four days. The Conference topics will be treated in invited plenary lectures, selected lecture presentations and poster sessions. Posters will stay on for the whole conference promoting Author presentation and spontaneous discussion.

Topics addressed at the meeting include (but are not limited to): I Process Systems Engineering Approach to Physiology; II – Mass Transfer in Physiological Systems and Artificial Organs; III – Novel Drug Delivery Systems; IV – Concepts of Process Intensification in Medical Applications; V – Advanced Biomaterials for Tissue Engineering and Regenerative Medicine; VI – Nanotechnology applied to Drug Delivery and Theranostics; VII – Machine Learning and Other Modelling Methods in Medical Engineering.

Plenary speakers: Prof. Alberto Mantovani, MD, Pathology at the Humanitas University in Milan, Italy and Emeritus Scientific Director of the Istituto Clinico Humanitas, Italy; Prof. Dr. Jesús Santamaria Ramiro, University of Zaragoza, Spain.

Register now! Early-bird registration deadline: 15 July 2026

Website: https://www.aidic.it/cheme26/

International Conference on Process Engineering – IPEC 2026

Tashkent, Uzbekistan, 22-25 November 2026 (EFCE Event No. 833)

IPEC 2026 welcomes you to the first international scientific conference on Process Engineering in Uzbekistan, attracting participants from Academia, Industry and Institutions from Uzbekistan, Central Asia, Europe, Asia Pacific, Middle East, Africa and Americas, thanks to AIDIC and EFCE contacts worldwide.

Uzbekistan is making an effort to increase the level of technology development, innovation, drive toward sustainability and circular economy and the conference represents an opportunity for local participants to learn about the latest findings and trends in these sectors; furthermore it gives an opportunity for networking and expanding collaborations with foreign organisations. The conference aims to give to foreigners the opportunity to discover or know better Uzbekistan and visit before or after the conference its treasures.

Topics: Process Systems Engineering, Digitalisation,

Artificial Intelligence; Biomass and Bioprocess Engineering for Circular Economy; Wast Environment and Management of Natural Resources; Safety in Design, Construction and Operation; Process Intensification; Electrochemical Engineering; Chemical Reaction Engineering; Separation Technology and Thermodynamics; Fluid Mechanics and Transport Phenomena; Product Design and Innovative Materials; Pharmaceutical Engineering and Chemical Engineering Applied to Medicine; Education and Use of Digital Tools.

The full set of final selected papers will be published into Chemical Engineering Transactions Journal, indexed by SCOPUS and SCHOLAR.

Plenary Speakers: George Stephanopoulos, Massachusetts Institute of Technology (MIT), USA; Dan Yang, University of Western Australia (UWA), Australia.

Sponsorship: Please take a look at our SPONSORSHIP GUIDE. If you wish to participate in the Sponsorship Programme of the Congress, please contact the conference secretariat ipec2026@aidic.it for details.

Register now! Early-bird registration deadline: 10 September 2026

Website: https://aidic.it/ipec2026/

International Conference on Chemical and Process Engineering – ICHEAP18-NINETEENTH

Padua, Italy, 13-16 June 2027 (EFCE Event No. 835)

Save the date

Website under construction

European Symposium on Chemical Reaction Engineering – ESCRE 2027

Milan, Italy, 23 May – 25 July 2027 (EFCE Event No. 834)

Save the date

Website under construction

ACHEMA 2027

Frankfurt/Main, Germany, 14-17 June 2027 (EFCE Event No. 831)

World Forum and Leading Show for Life Science and Process Industries Modern, interactive and always up to date: With a unique range of topics, exciting innovations and new event formats, the world's leading trade show for the life science and process industries brings together experts, decision makers and trendsetters from all over the world.

For Exhibitors: Become an exhibitor at ACHEMA 2027 now to further expand your market position. Create a unique trade show experience to impress your visitors. Check the compiled exhibitor information for details.

ACHEMA innovation partnerships offer your company excellent opportunities to showcase its expertise at World Forum for Life Science and Process Industries. Enquire about innovation partnerships now: achema@dechema.de

ACHEMA Start-Up Award (for businesses stated after 1 January 2024)

For Visitors: The call for papers for the ACHEMA congress is open. Deadline: **4 October 2026**

Key topics include decarbonisation, AI, modular production, industrial cybersecurity, and the integration of laboratory and production. The congress program features the Innovation Themes 'Digital', 'Energy', 'Green', 'Lab', 'Pharma', and 'Process'.

Website: https://achema.de/en

16th European Congress of Chemical Engineering and 9th European Congress of Applied Biotechnology – ECCE16 and ECAB9

Edinburgh, Scotland, 12-16 September 2027 (EFCE Event No. 783)

The flagship event of EFCE is organised by IChemE.

IChemE is delighted to be organising the 2027 European Congress of Chemical Engineering and European Congress of Applied Biotechnology. Building upon the success of previous events, you are warmly invited to join us in Edinburgh.

The Congress, hosted at the Edinburgh International Conference Centre (EICC), will bring together more than 1000 researchers, academics and industrialists to share ideas, experience and insight. Be part of the UK's biggest chemical engineering event for over 20 years!

The overarching theme of the 2027 European Congress of Chemical Engineering and European Congress of Applied Biotechnology is *'Engineering a Sustainable World'.*

In addition to the scientific areas covered by the EFCE Working Parties and Sections and the ESBES Sections, the congresses will focus on the most relevant United Nations Sustainable Development Goals: Zero Hunger, Good Health and Well-Being, Clean Water and Sanitation, Affordable and Clean Energy, Industry, Innovation and Infrastructure, Sustainable Cities and Communities, Responsible Consumption and Production, and Climate Action.

The call for papers will open in summer 2026

Sign up for our newsletter to receive further updates.

Sponsorship and exhibition: The 2027 ECCE and ECAB will be the largest UK gathering of chemical, process and biochemical engineers in over two decades. Sponsoring or exhibiting at the event is an excellent opportunity to raise your profile within the community before and during the event. We have packages to suit all budgets, allowing you to showcase your products and services, engage with attendees, and generate new leads.

Contact: **conferences@icheme.org** for more information.

Website: **https://www.ecce-ecab2027.org/**

European Process Intensification Conference – EPIC 2027

Bologna, Italy, 26-29 September 2027 (EFCE Event No. 836)

Save the date

Website under construction

4th International Conference on Energy, Environment and Digital Transition – E2DT 2027

Favignana, Italy, 23-26 October 2027 (EFCE Event No. 838)

Save the date

Website under construction

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

EFCE

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