

# Trustees Annual Report 2019

European Federation of Chemical Engineering

Europäische Föderation für Chemie-Ingenieur-Wesen

Fédération Européenne de Génie Chimique



# Contents

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EFCE Strategy .....	4
Trustees 2019.....	6
Public Benefit Statement.....	7
Objectives and activities .....	7
Key achievements during 2019 .....	8
Working Parties and Sections.....	10
Events of 2019 .....	12
Event Reports.....	14
Awards .....	16
2020 and beyond.....	18
Administrative Report .....	20
Election of new Board of Trustees.....	21
Financial Report .....	22

# The European Federation of

## 1. Serve the European Chemical Engineering Community

By providing a platform for views and opinions and identifying opportunities for its voice to be heard

## 2. Support Chemical Engineers within EFCE Member Societies

- Working Parties and Sections
- Conferences and Seminars
- Newsletters, Website and e-bulletins

## 3. Support the Education and Training of Chemical Engineers within Europe

- Active Education Working Party
- EFCE Journals
- Input Into Development of Curricula
- Training

# Chemical Engineering will...

## 4. Influence Decision Makers and Opinion Formers on Matters of Importance to Chemical Engineers

- By Helping to Shape European Policy
- Promoting Public Understanding of Science
- Contributing to European R&D Programmes
- Fostering Academic/Industry Links

## 5. Initiate Collaborations in Support of Common Goals and for the Advancement of Science and Technology

- Proactive Horizon Scanning and Topic Spotting
- Bringing People Together via Respected European Technical Networks

**EFCE will help European society to meet its needs through highlighting the role of Chemical Engineering in delivering sustainable processes and products.**

# Trustees 2019



## **EFCE President**

**Dr.-Ing. Hermann J. Feise**  
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## **Executive Vice-President**

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## **Dr. Michael Wilk**

Merck KGaA, Senior Vice President Site Operations, Engineering & Maintenance  
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# Public Benefit Statement

The charity trustees confirm that they have complied with their duty to have due regard to the guidance on public benefit published by the commission in exercising their powers or duties.

## Objectives and activities

The objectives of the European Federation of Chemical Engineering, as stated in its Constitution, are “for the benefit of the public to promote co-operation in Europe and elsewhere between non-profit making professional scientific and technical societies which share amongst their aims the general advancement of science and education of the public in chemical engineering and the encouragement of the development of chemical engineering.”

By enabling like-minded societies in Europe to co-operate, EFCE encourages progress in chemical engineering by facilitating the exchange of information and opinion in meetings, congresses and journals, support leading researchers and emerging talent through medals and prizes, and enabling industrialists and academics from across Europe to discuss topics of common concern.

EFCE is a Charitable Incorporated Organisation with voting members other than its charity trustees. It has an ‘Association’ model constitution, dated 9 December 2014.

# Key achievements during 2019

Since its foundation in 1953, EFCE has promoted cooperation in Europe and elsewhere between non-profit making professional scientific and technical societies. In 2014 EFCE was registered as a Charitable Incorporated Organisation to help it foster the general advancement of science and education of the public in chemical engineering and the encouragement of the development of chemical engineering in collaboration with our member societies.

By enabling like-minded societies in Europe to cooperate, EFCE encourages progress in chemical engineering through facilitating the exchange of information and opinion in meetings, congresses and journals, supporting leading researchers and emerging talent through medals and prizes, and enabling industrialists and academics from across Europe to discuss topics of common concern.

After strengthening links to SUSCHEM and A.SPIRE, two institutions much involved in the development of R&D funding programmes and advocacy for science, EFCE in 2018 formalised its collaboration with the European Society of Biochemical Engineering Sciences (ESBES). The organisations had for a number of years joined up their flagship events, the European Congress of Chemical Engineering and the European Congress of Applied Biotechnology, and they continued their partnership in 2019 with the joined 12th European Congress of Chemical Engineering and 5th European Congress of Applied Biotechnology and the selection of the 2023 host of the conference series.



1300 participants joined us for ECCE&ECAB in Florence



ECCE&ECAB 2019 became the highlight of the chemical engineering year in Europe. It brought together 1,300 participants from 61 countries looking at how chemical engineering can contribute to solve today's challenges. Contributions included the latest advances in CO<sub>2</sub> utilization, plastic recycling, sustainability, industrial safety, handling and use of enzymes and the use of artificial intelligence.

August 2019 saw the launch of EFCE's long-awaited new website. The website works across all types of communication devices, from PC to mobile phone, and is much cleaner and easier to use. At the same time, EFCE gained access to an updated conference handling system, bringing it firmly into the digital age and helping it master the effects of the Covid-19 pandemic.

The emergency measures taken by governments in Europe and around the world to address the Covid-19 pandemic will affect how EFCE operates, in particular in the organization of scientific events that are central to the CIO's activity.

We expect many effects of the pandemic to be long-lasting, driving a step change towards digitalisation and new ways of organising meetings. The investments in digital made in 2019 have laid the foundations to supporting this change, and EFCE will further improve its digital presence to support these changes.

# Working Parties and Sections

EFCE has 20 Working Parties and four Sections, whose activities span organising conferences, promoting and judging awards, and running summer courses for PhD students. The Working Parties and Sections (WP&S) are at the heart of EFCE's activities. They involve 413 volunteers from across Europe who are experts in their fields. Of these, 18% are industrial delegates.

## Working Parties

### Agglomeration

Contact: Prof. S. HEINRICH, Hamburg/DE  
stefan.heinrich@tuhh.de

### Characterisation of Particulate Systems

Chair: Prof. Martin MORGENEYER, Lyon/FR  
martin.morgeneyer@utc.fr

### Chemical Reaction Engineering

Chair: Prof. Kai-Olaf HINRICHSEN, Garching/DE  
hinrichsen@tum.de

### Comminution and Classification

Chair: Prof. Arno KWADE, Braunschweig/DE  
a.kwade@tu-bs.de

### Computer Aided Process Engineering

Chair: Prof. Flavio MANENTI, Milano/IT  
flavio.manenti@polimi.it

### Crystallization

Chair: Prof. Marco MAZZOTTI, Zurich/CH  
marco.mazzotti@ipe.mavt.ethz.ch

### Drying

Chair: Prof. Angelique LEONARD, Liège/BE  
a.leonard@ulg.ac.be

### Education

Chair: Prof. Eric SCHAEER, Nancy/FR  
eric.schaer@univ-lorraine.fr

### Electrochemical Engineering

Chair: Prof. Karel BOUZEK, Prague/CZ  
karel.bouzek@vscht.cz

### Fluid Separations

Chair: Prof. Harry KOOIJMAN, Amsterdam/NL  
Harry.Kooijman@shell.com

Potsdam/USA

kooijman@clarkson.edu

### High Pressure Technology

Chair: Prof. Eberhard SCHLÜCKER, Erlangen/DE  
sl@ipat.uni-erlangen.de

### Loss Prevention and Safety Promotion

Chair: Prof. Bruno FABIANO, Genoa/IT  
brown@unige.it

### Mechanics of Particulate Solids

Chair: Prof. Álvaro Ramirez-Gomez, Madrid/ES  
alvaro.ramirez@upm.es

### Mixing

Chair: Prof. Jerzy BALDYGA, Warszawa/PL †  
2019,

### Multiphase Fluid Flow

Chair: Prof. Michael SCHLÜTER, Hamburg/DE  
michael.schlueter@tuhh.de

### Polymer Reaction Engineering

Chair: Prof. Markus BUSCH, Darmstadt/DE  
markus.busch@pre.tu-darmstadt.de

### Process Intensification

Chair: Tom VAN GERVEN, Leuven/BE  
tom.vangerven@kuleuven.be

### Quality by Design

Chair: Prof. Christoph HERWIG, Wien/AT  
christoph.herwig@tuwien.ac.at

### Static Electricity in Industry

Chair: Prof. Petro LLOVERA SEGOVIA, Paterna/ES  
pedro.llovera@ite.es

### Thermodynamics and Transport Properties

Chair: Dr Jean-Charles DE HEMPTINNE Rueil  
Malmaison/FRR  
jean-charles.de-hemptinne@ifpen.fr

# Sections

## Energy

Co-chairs: Prof. Fabrizio BEZZO, Padova/IT

[fabrizio.bezzo@unipd.it](mailto:fabrizio.bezzo@unipd.it)

Prof. Francois MARÉCHAL, Sion/CH

[francois.marechal@epfl.ch](mailto:francois.marechal@epfl.ch)

## Food

Chair: Dr.-Ing. Volker HEINZ, Quakenbrueck/DE

[v.heinz@dil-ev.de](mailto:v.heinz@dil-ev.de)

## Membrane Engineering

Chair: Prof. Enrico DRIOLI, Arcavacata di Rende/IT

[e.drioli@itm.cnr.it](mailto:e.drioli@itm.cnr.it)

## Product Design and Engineering

Chair: Dr. Stefan KAUFMANN, Hamburg/DE

[stefan.kaufmann@beiersdorf.com](mailto:stefan.kaufmann@beiersdorf.com)

## Sustainability

Closed

A new Section on Sustainability is expected to launch in due course.

Working Parties and Sections conduct their business throughout the year, and every group has at least one meeting per year at a suitable European location, in which all members of the Working Party that are able participate.

In 2019, Working Parties and Sections were involved in a broad range of events. They organised or were involved in 15 different congresses, symposia or workshops on their specific area of activity. Most groups also contributed speakers and work streams to the ECCE12 & ECAB5 conference. On top of that, Working Parties and Sections organised two special events for students, and contributed to the 2nd European Forum on New Technologies.

## Working Party on Mixing

The EFCE was very sad to learn that Professor Jerzy Baldyga, Warsaw University of Technology, passed away on 18 November 2019. He had contributed greatly to the development of chemical engineering in Europe and of the Federation, especially in the field of mixing. He served as a Polish delegate to the Working Party on Mixing from 2001 and was confirmed as chair of this group in September 2012. He was member of the EFCE Executive Board since 2016. In these positions he fostered the liaison and scientific exchange and cooperation with Eastern European countries. The EFCE is deeply grateful for his contribution to the chemical engineering community and in particular to EFCE activities and extends its deepest sympathy to Jerzy's family, friends and colleagues.

# Events of 2019

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- **2nd European Forum on New Technologies: Digitalisation in Chemical Engineering**  
1 March 2019, Frankfurt am Main, Germany (EFCE Event No. 763)
- **EMFS-HPT7 - 17th European Meeting on Supercritical Fluids and 7th European Meeting on High Pressure Technology** 8-11 April 2019, Ciudad Real, Spain (EFCE Event No. 759) *WP High Pressure Technology*
- **PARTEC, International Congress on Particle Technology** 9-11 April 2019, Nuremberg, Germany *WP Agglomeration, WP Characterization of Particulate Systems, WP Comminution and Classification, WP Mechanics of Particulate Solids*
- **25th Topical Meeting of the International Society of Electrochemistry: New electrochemical processes for energy and the environment** 12-15 May 2019, Toledo, Spain *WP Electrochemical Engineering*
- **13th European PhD Workshop on Food Engineering and Technology** 14-15 May 2019, Vienna, Austria *Section Food*
- **IPIC2 - 2nd International Process Intensification Conference** 27-29 May 2019, Leuven, Belgium (EFCE Event No. 760) *WP Process Intensification*
- **13th International Workshop on Polymer Reaction Engineering** 11-14 June 2019, Hamburg, Germany *WP Polymer Reaction Engineering*
- **8th PhD Student Workshop on Polymer Reaction Engineering** 14-16 June 2019, Hamburg, Germany *WP Polymer Reaction Engineering*
- **Loss Prevention 2019 - 16th Int. Symposium on Loss Prevention and Safety Promotion in the Process Industries** 16-19 June 2019, Delft, The Netherlands (EFCE Event No. 750) *WP Loss Prevention and Safety Promotion*
- **ESCAPE-29 - 29th European Symposium on Computer Aided Process Engineering** 16-19 June 2019, Eindhoven, The Netherlands (EFCE Event No. 758) *WP Computer Aided Process Engineering, WP Quality by Design*
- **EuroDrying'2019 - 7th European Drying Conference** 10-12 July 2019, Torino, Italy (EFCE Event No. 762) *WP Drying*
- **ESCC 2019 - 16th European Congress on Comminution and Classification** 2-4 September 2019, Leeds, United Kingdom (EFCE Event No. 761) *WP Comminution and Classification*
- **ECCE12 & ECAB5 - 12th European Congress of Chemical Engineering / 5th European Congress of Applied Biotechnology** 15-19 September 2019, Florence, Italy (EFCE Event No. 744) *most of the Working Parties and Sections*

- **3rd Workshop on Electrochemical Engineering: Industrial Electrochemistry and Electrocatalysis** Held alongside ECCE12-ECAB5, 15-19 September 2019, Florence, Italy *WP Electrochemical Engineering*
- **Minisymposium on Energy and Chemical Engineering** Held alongside ECCE12-ECAB5, 15-19 September 2019, Florence, Italy *Section Energy*
- **Minisymposium on Crystallization fundamentals and industrial processes and Workshop on Crystallization fundamentals and industrial processes** Held alongside ECCE12-ECAB5, 15-19 September 2019, Florence, Italy *WP Crystallization*
- **Workshop on Recent Advances in Bubble Columns** 5 November 2019, Paris, France (EFCE Event No. 770) *WP Multiphase Fluid Flow and SFGP Group Reactor and intensification*
- **CAPE Forum 2019** 24th-26th November 2019, Liege, Belgium *WP Computer Aided Process Engineering*
- **European Conference on Plant & Process Safety** 11-12 December 2019, Cologne, Germany *WP Loss Prevention and Safety Promotion*

## Other events

In addition to the Working Party and Section events listed above, some member societies asked to present their own conferences within EFCE's event series.

They were:

- **23rd Polish Conference of Chemical & Process Engineering** 2-5 June 2019, Jachranka-Warszawa, Poland (EFCE Event No. 753)
- **3rd ANQUE-ICCE International Congress of Chemical Engineering** 19-21 June 2019, Santander, Spain (EFCE Event No. 757)
- **CHEMCON-2019 - 72nd Annual Session of Indian Institute of Chemical Engineers** 16-19 December 2019 New Delhi, India (EFCE Event)

# Event Reports

## ECCE12 & ECAB5

**The European Congress of Chemical Engineering (ECCE 12) in 2019 returned to Florence, the same city the first event (ECCE 1) was organized in 1997.**

The Congress was held in conjunction with the European Congress of Applied Biotechnology (ECAB 5), from September 15 to 19, 2019 at the Fortezza da Basso, and was organized by the Italian Association of Chemical Engineering, AIDIC.

The Fortezza da Basso was an ideal location, with more than 80.000 square meters of space combining historical structures with modern pavilions. The Fortress, built between 1534 and 1536 for Alessandro de Medici, was converted into a congress and exhibition centre during the 1970s.

The Florence conference featured 1043 separate submissions and attracted 1277 participants from 61 countries. Discussions featured a combination of core chemical engineering and recent advances, ranging from reactor design, heat and mass transfer, to biofuels, biorefineries, plastic recycling, and artificial intelligence.

In total there were six plenary sessions with prestigious speakers, eight keynote lectures, three symposia and two workshops, organised in 48 parallel sessions. Particularly eye-catching were the electronic poster displays on 50 large plasma screens, a first for an ECCE/ECAB event.

Plenary speakers were Scott Fogler (University of Michigan), Klavs Jensen (MIT), Juergen Pleiss (University of Stuttgart), Flavio Manenti (Politecnico di Milano), Marinke Wijngaard (TNO), and Inmaculata Ortiz (University of Cantabria)

The next generation of researchers, scientists and professionals were able to join a rich Young Program, coordinated by a group of volunteers from different European countries and sponsored by Chemstations Europe, which organized the Process Simulation Cup (PSC). Other highlights included a pub quiz, a Meet Your Idol breakfast event, and a PhD Speed Date.

EFCE welcomed the strong participation and international presence, the spread and quality of the scientific content and the engagement of the delegates with the programme. We now look forward to the 2021 event in Berlin!



The entrance to the historic Fortezza da Basso, venue for the 2019 European Congress in Chemical Engineering'



Attendees at the ESCAPE 29 conference in 2019



The Spadolini Entrance welcoming visitors to ECCE12&ECAB5

## European Forum on New Technologies

The **European Forum on New Technologies: Digitalisation in Chemical Engineering** heard from visionary industrial and academic speakers and considered the potential effects, challenges and opportunities of digitalisation. It concluded that new tools are still needed to combine first principles with machine learning models, to manage different time and length scales, and to combine different data sources. Artificial Intelligence could be useful to create first principles models, to enhance understanding and to generate a major impact in the process industry. The potential is huge in this field and the changes are coming.

The above shows that 2019 was an extremely active and successful year for EFCE events, and also marked engagement with EU project calls and an increase in the collaboration between different Working Parties and Sections. The scientific output from these meetings resulted in several special issues in scientific journals and contributions to books, all of which enhance EFCE's visibility.

# Awards

## Excellence Awards

EFCE Excellence Awards recognise PhD theses or publications of young researchers published in preceding years which demonstrate the most outstanding contribution to research or the practice in the scientific fields of the EFCE Working Parties and Sections.

Awards typically comprise a certificate, a cash award of €1,500 and a €500 travel grant to attend the meeting at which the award will be presented.

In 2019, EFCE gave the following awards:

**Dr Matthew Arran**

2019 EFCE Excellence Award in Mechanics of Particulate Solids

**Dr Andy N. Antzara**

2019 EFCE Excellence Award in Process Intensification.

**Dr Paolo Mocellin**

2019 EFCE Excellence Award in Process Safety

**Dr Mónia Martins**

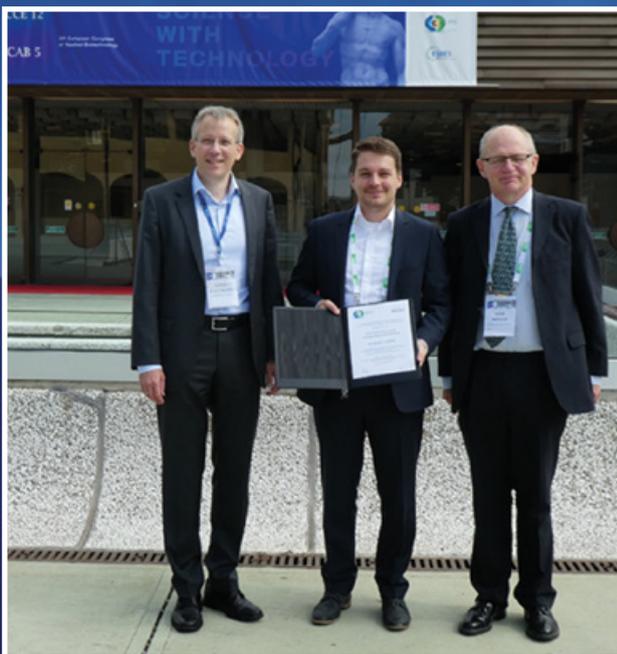
2019 EFCE Excellence Award in Thermodynamics

**Dr Maciej Jaskulski**

2019 EFCE Excellence Award in Drying and Freeze-Drying

**Dr Andreas Güntner**

2019 EFCE Excellence Award in Product Design and Engineering



The 2019 winners of the Excellence Award  
Product Design Engineering

## Student Mobility Award

Three outstanding young chemical engineers have been selected by an international jury to receive the 2019 Student Mobility Award of the Federation which recognises mobility during their academic studies.

Filippo Licordari – 1st prize

Roman Weh – 2nd prize

Jeanne Le Loeuff – 3rd prize

## Other Awards

The Federation has awarded its most prestigious medal, the Jacques Villermaux Medal, to Professor Rafiqul Gani in recognition of his internationally acclaimed research in Process Systems Engineering over several decades. He was also noted for his contribution as a member and Chair of the EFCE Working Party on Computer Aided Process Engineering and his contribution to the profession of chemical engineering, education and scholarship worldwide.

- A team from Agfa-Gevaert has been awarded the 2019 Process Intensification Award for Industrial Innovation.
- The Working Party on Loss Prevention and Safety Promotion in the Process Industries presented the EFCE Loss Prevention Symposium Award 2019 to Professor Hans J. Pasman for his outstanding lifelong research excellency and contribution to the advancement of process safety and recognises the importance of loss prevention in the chemical engineering community.
- The EFCE Working Party on Multiphase Fluid Flow has named Viktoria Wiedmeyer as the winner of their Poster Award 2019.
- The Danckwerts Memorial Lecture was held by Prof. Klavs F. Jensen, who used his lecture to recognise Philipp Rudolf von Röhr, a long-serving member of the Multiphase Fluid Flow Working Party



Student Mobility Award presentation 2019

# 2020 and Beyond

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## External Engagement

A-SPIRE: EFCE is an Associate Member of A-SPIRE which is a Partnership between eight industry groups and the European Commission. The groups represent chemicals, cement, water, minerals, non-ferrous metals, steel, ceramics, engineering, refining and pulp and paper. The A-SPIRE partnership is working on a new roadmap Processes4Planets - Transforming the European Process Industry for a Sustainable Society. The broad priorities are digitalisation, reusing waste, efficiency and identifying disruptive new technologies. This will form the basis of calls and new partnerships for Horizon Europe which is expected to start issuing calls in 2021. A-SPIRE has also contributed to the 6th implementation plan of the European Strategic Energy Technology Plan (SET Plan), developed by the European Commission (DG Energy). There is a clear desire for the development of the A-SPIRE roadmap and projects to be more open than in the past involving members, a wider group of stakeholder communities, and directly with Member States.

SusChem: SusChem is the European Platform for Sustainable Chemistry and the EFCE Scientific VP is on its Board. EFCE members were involved in the SusChem Strategic Research and Innovation Agenda (SIRA) published in late 2019 to influence Horizon Europe. It proposes the following priorities: advanced materials, advanced process technologies, enabling digital technologies and horizontal topics. For 2020/21 an impact-focused paper on digital technologies in line with green deal priorities is planned (building on documents published by others) and the 'Plastics SIRA in a Circular Economy' is being revisited to strengthen its links to the priorities set by the Circular Plastics Alliance supported by DG GROW. SusChem groups are involved in a number of European batteries initiatives.

## Chemical Engineering Skills Audit

The Scientific VP has been surveying whether the ecosystem for developing chemical engineers in Europe is optimal and consistent. By bringing together some statistics of age profiles and student to staff ratios the aim is to build a picture of best practice and to help national member societies and universities argue for more academic recruitment to maintain a strong discipline basis for chemical engineering.

We have figures for Czech Republic, Denmark, France, Greece, Italy, Lithuania, Poland, Portugal Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, UK, and Ukraine with effort ongoing to obtain others.

## Future conferences

Plans are well under way for ECCE in Berlin in 2021. CHISA, originally planned for August 2020, has been postponed. Current plans are for February 2021, but these are continually under review. EFCE and SFGP will organise the 3rd European Forum on New Technologies on "Chemical Engineering in the Plant of the Future". Previously scheduled for 29 May 2020, the conference will take place online on 4 September and 11 September.



# ECCE AB 21

Hope to see you in Berlin for ECCE/ECAB in 2021

# Administrative Report

2019 was the fifth year of EFCE as a Charitable Incorporated Organisation. The Executive Board Spring meeting was held in Budapest and the Autumn meeting was held in Florence, on occasion of the ECCE 12&ECAB 5 conference. The Management Committee met monthly via videoconference, keeping in particular a continuous monitoring on the organization of the Florence conference. On the eve of the Executive Board meetings, the Management Committee met in person to prepare for the boards.

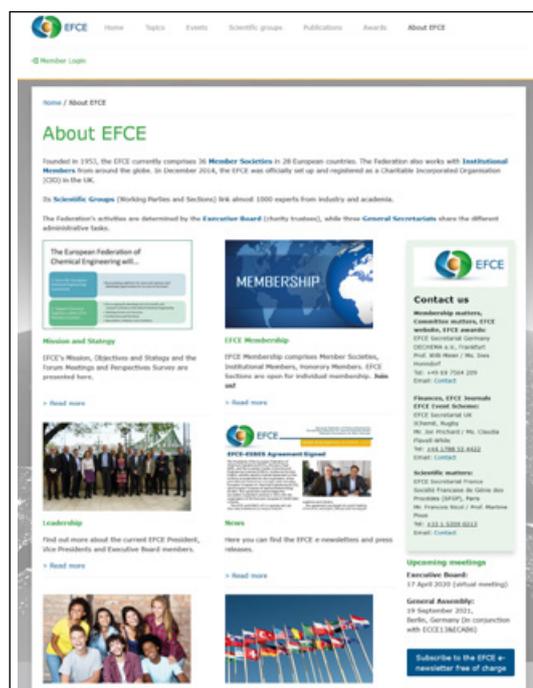
During the year, financial process around invoicing, forecasting and payment of expenses were tightened to keep the EFCE accounts under control. Details about the economic and financial performance of the CIO are provided later in the financial report.

In 2019, the strategy for improving EFCE online presence was implemented, as approved by the Charity Trustees in 2018. Features of the new EFCE website are described earlier in this report.

EFCE publicises its activities with four issues of its e-newsletter were published in 2019. In addition, pdf versions are published on EFCE's social media pages and press releases highlight other news, mainly relating to the various EFCE awards.

EFCE's social media pages can be found at:

- EFCE LinkedIn Group: [http://bit.ly/EFCE\\_LinkedIn](http://bit.ly/EFCE_LinkedIn)
- Twitter: [https://twitter.com/@EFCE\\_Comms](https://twitter.com/@EFCE_Comms)
- Facebook: <https://www.facebook.com/theEFCE>
- YouTube: <https://www.youtube.com/channel/UCxuvfb5ST3DMHLawZ6326w>



EFCE's improved online presence

# Election of new Board of Trustees

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During the European Congress of Chemical Engineering in Florence in September 2019, the EFCE General Assembly re-elected its President, Dr. Hermann J. Feise, its Executive Vice-President, Giorgio Veronesi, and its Scientific Vice-President, Professor David Bogle for a second two-year term of office.

In addition to the President and two Vice-Presidents, the General Assembly elected a number of new trustees to the Executive Board. Newly-elected trustees are: Elisabetta Brunazzi (Italy), Alexis Pey Torruella (Spain), Álvaro Ramirez-Gomez (Spain), Maurizio Rovaglio (Italy), and Eric Schaer (France). They are joining the re-elected trustees Adisa Azapagic (United Kingdom), Michael Considine (United Kingdom), Ferenc Friedler (Hungary), Antoon ten Kate (The Netherlands), Petr Kluson (Czech Republic), Patrick Piccione (Switzerland), and Michael Wilk (Germany), and the appointed trustees Willi Meier (DECHEMA), François Nicol (SFGP), and Jon Prichard (IChemE) who represent the three EFCE General Secretariats.

We would like to express our sincere thanks and gratitude to the retiring trustees: Bent Sarup (Denmark), Carlos Negro (Spain), Flavio Manenti (Italy), and François Giger (France) and remember Jerzy Baldyga (Poland) who passed away during his term as an EFCE Trustee. EFCE is very grateful for the hard work and the many hours of their time all members of the Executive Board have spent working on behalf of the Federation and would like to thank them for their effort.



**Hermann Feise**  
**President**



**David Bogle**  
**Scientific Vice-President**



**Giorgio Veronesi**  
**Executive Vice-President**

# Financial Report

from the period of 1 January 2019 to 31 December 2019

	<b>2019</b>	<b>2018</b>
	<b>Unrestricted fund</b>	<b>Total funds</b>
<b>INCOME FROM Charitable activities</b>		
Charitable activities	116,551	68,098
Investment income	40	8
<b>CHARITABLE ACTIVITIES TOTAL</b>	<b>116,591</b>	<b>68,106</b>
<b>EXPENDITURE ON Charitable activities</b>		
Resources expended	655	700
Charitable activities	112,324	55,549
Other	2,498	2,242
<b>TOTAL</b>	<b>115,477</b>	<b>58,491</b>
<b>NET INCOME</b>	<b>1,114</b>	<b>9,615</b>
<b>RECONCILIATION OF FUNDS</b>		
<b>Total funds brought forward</b>	104,601	94,986
<b>TOTAL FUNDS CARRIED FORWARD</b>	<b>105,715</b>	<b>104,601</b>

<b>CURRENT ASSETS</b>	<b>2019</b>	<b>2018</b>
	<b>Unrestricted fund</b>	<b>Total funds</b>
Debtors	18,815	29,353
Cash at bank	135,261	93,051
<b>TOTAL</b>	<b>154,076</b>	<b>122,404</b>
<b>CREDITORS</b>		
Amounts falling due within one year	48,361	17,803
<b>NET CURRENT ASSETS</b>	<b>105,715</b>	<b>104,601</b>
<b>TOTAL ASSETS LESS CURRENT LIABILITIES</b>	<b>105,715</b>	<b>104,601</b>
<b>NET ASSETS</b>	<b>105,715</b>	<b>104,601</b>
<b>FUNDS</b>		
Unrestricted funds	105,715	104,601
<b>TOTAL FUNDS</b>	<b>105,715</b>	<b>104,601</b>

This financial report is an extract of the Unaudited Financial Statements for the year ended 31 December 2019, which have been independently examined by Magma Audit LLP, Rugby, UK. The full report is available on the EFCE website.

## **EFCE General Secretariat**

### **UK Secretariat (Finance & Principal Office)**

IChemE  
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Rugby  
Warwickshire  
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UK

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### **German Secretariat (Membership and Administrative Support)**

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Theodor-Heuss-Allee 25  
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Germany

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### **French Secretariat (Scientific Support)**

SFGP  
28, Rue Saint-Dominique  
75007 Paris  
France

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Charity Registration No 1159541