

About the EFCE...

In the 1950's the growing need of national chemical communities for contacts and exchanges led to the idea of establishing the European Federation of Chemical Engineering. One of the seven member societies which founded EFCE was the Yugoslav Association of Chemists and Chemical Engineers. Since that time, the EFCE has grown into a mayor professional organization that today includes 40 member societies from 27 countries.

The Federation is a voluntary, non-profit making association, the object of which is to promote cooperation in Europe between non-profit making scientific and technical societies for the general advancement of chemical engineering, to be a source of advice and support for education and training, research programs and to identify the needs and opportunities for chemical engineering and process technology.

The organs of the Federation are the General Assembly, the Science Advisory Committee, the Executive Board and the General Secretariat. The General Assembly is the forum that considers the activities of the Federation and decides the Federation's policy. The Executive Board submits proposals on general policy and strategic direction of the Federation to the General Assembly, implements part of the decisions passed by the General Assembly, etc. The President of the EFCE chairs the Executive Board.

The Science Advisory Committee advises the Executive Board and through it the General Assembly on all aspects of the scientific and technical matters affecting the work of the Federation. The Scientific Vice-President chairs the Science Advisory Committee.

A General Secretariat carries out the administration of the EFCE. DECHEMA in Frankfurt/Main, Germany, IChemE in Rugby, UK, and SCI in Paris, France established offices to conduct the work of the General Secretariat jointly.

Establishing Working Parties and Technical Groups is one of the ways of achieving the goals and objects of the Federation. Activities through the Working Parties and Technical Groups ensure survey and reports on specific aspects or areas of chemical engineering. As a result of development, and the needs and demands of contemporary science, twenty-five Working Parties on different subjects of interest in chemical engineering and other related fields were founded:

- Agglomeration
- Characterization of Particulate Systems
- Chemical Engineering in Catalysis
- Chemical Reaction Engineering
- Computer Aided Process Engineering
- Comminution and Classification
- Crystallization
- Distillation, Absorption and Extraction
- Drying
- Education
- Electrochemical Engineering
- Environmental Protection
- Filtration and Separation
- Food
- High Pressure Technology
- Industrial Rheology
- Information and Documentation
- Loss Prevention and Safety Promotion

- Membranes
- Mechanics of Particulate Solids
- Mixing
- Multiphase Fluid Flow
- Polymer Reaction Engineering
- Quality Management in the Process Industries and Chemical Engineering Design
- Static Electricity in Industry

Working Parties can be formed to deal with special fields with the objective of achieving active collaboration in Europe by preparing reports, investigating important problems, suggesting symposia to be held, etc. The decision as to the formation of a Working Party rests with the General Assembly based on submitted proposals of the Executive Board, which relied on recommendations by the Science Advisory Committee.

Technical Groups can be formed with the purpose of promoting cooperation between Working Parties and other bodies and also to involve individual members in the activities. This ensures a certain flexibility in the changing technical priorities. The decision as to the formation of a Technical Group rests with the Executive Board

Members of the Yugoslav Association of Chemists and Chemical Engineers are active as members who have joined some of the Working Parties: Prof. Dr. Dejan Skala is in High Pressure Technology WP, Prof. Dr. Aleksandar Dudukovic is in the Chemical Reaction Engineering WP, Prof. Dr. Jelenka Stevanovic is in Distillation, Absorption and Extraction WP and recently Prof. Dr. B. Nikolic joined the Electrochemical Engineering WP.

Review of some EFCE events in 2000

10th European Conference on Mixing, 2–5 July 2000, Delft, Netherlands

It is reported to have been an excellent conference with 32 oral presentations and 33 posters, attended by some 150 delegates. The conference gave stronger focus on modern technologies than was the case in preceding events. The goal was to emphasize the potential of generic, advanced measuring and computational techniques and to support their dissemination worldwide.

14th International Congress of Chemical and Process Engineering, CHISA 2000, Prague, Czech Republic

CHISA 2000 took place in Prague on August 27–31. Over 1000 participants came mostly from European countries and some 14% were from outside Europe. The total number of papers including lectures and posters was 1157. Most of the congress participants presented at least one paper in one of the ten specialized symposia: environmental and safety engineering, process integration, electrochemical engineering, powder technology, supercritical fluids, computational fluid dynamics, distillation, chemical technology for sustainable future, education in the 21st century and sorption. The next CHISA Congress will take place in Prague at the end of August 2002.

12th International Drying Symposium, IDS 2000, Noordwijkerhout, Netherlands, 28–31 August 2000

The large interest for classical unit operations such as the drying of solids attracted over 400 participants from 51 countries to exchange the latest developments in science and technology of the drying of solids. A total of 301 contributions were scheduled in 33 sessions and

presented as posters with a short oral introduction. Proceedings were issued on a fully searchable CD-ROM and supported by a printed book of abstracts. A selected number of papers will be published in special issues of drying technology and chemical engineering journals. More details about IDS 2000 and its final program can be found on the Website <http://www.ids2000.tue.nl/>

Working Party News

A new look at the Working Party structure of EFCE

The publication of a paper in the January/February 2000 issue of the journal *NPT Procestecnologie* reflected new thinking of some members of the EFCE that the system of working parties needs to be adapted to current trends in business. The author, Dr. Jan Coumans pointed out that "gradually more and more members are becoming involved in projects funded by the European Union. This may reduce the need for these members to have separate WP meetings". Some people even think that the general structure of working parties is old-fashioned, so there is need for developing a new strategy. This approach could even lead to a change in the scientific structure of the federation.

Polymer Reaction Engineering WP

The Polymer Reaction Engineering WP held a meeting at the Ecole Polytechnique Federale de Laussane in Switzerland from 20 to 22 October 2000. Presentations were concentrated on three main themes: reactive processing, new reactors and unusual reaction conditions, and molecular dynamics on the way to end-use properties. To promote activities in specific areas of polymer reaction engineering, sub-groups were formed within the WP. Forming a sub-groups seems to be a successful policy, particularly with the Catapol project (new work on the catalytic polymerization of olefins) which has attracted EU funding and produced useful results.

Education WP

In order to increase the number of applicants to the first-degree chemical engineering courses and to promote chemical engineering to young people, the Education WP has developed a useful website. Surf on www.whynotchemeng.com to know more.

Environmental Protection WP

The main focus of the WP's strategy paper will be to pay attention to the integration of environmental issues in the design and operation of processes and plants. So far, the WP has organized its own workshops, in collaboration with other WP when possible. The subjects on which the current EFCE strategy on sustainable chemical technology development could concentrate in the future, include specific tools for process integration, environmental impact indicators and biomass based chemical engineering.

Major professional events in 2001

The third European Congress of Chemical Engineering, ECCE3 will be held in Nuremberg, Germany, from 26 to 28 June 2001 under the ambitious title: Chemical engineering – a key technology serving mankind. For this event, the more than 800 already submitted papers highlight 17 topics:

1. Chemical engineering and social needs

2. Sustainable development, environmental engineering, chemical risk management
3. Structural changes, strategies in industry
4. Education
5. New materials
6. Process integration
7. Computational engineering
8. Reaction engineering, microreaction engineering, process intensification
9. New chemistry, combinatorial and supramolecular chemistry
10. Product design
11. Fine chemicals
12. Food technologies
13. Particulate solids
14. Nanotechnology
15. New separation technologies
16. Multiphase systems
17. Electrochemical application of membranes

The papers will be presented on a CD-Rom, available at the conference. Abstracts will be published in advance in the *Chemie-Ingenieur-Technik* journal.

After Nuremberg in June, Melbourne, Australia will welcome the 6th World Congress of Chemical Engineering from 23 to 27 September. This time this event is based around six visions that are designed to examine the whole breadth of chemical engineering: its past, its present and its future. It will start with *The first century followed by The profession, the community and the environment, The shape of the process industries, The practice of the profession, Teaching and training of chemical engineering professionals and will end with the Formulation of a congress vision.*

Calendar

22–25 April 2001, Oostende, Belgium
3rd International Symposium on Reaction Engineering and the Development and Operation of Catalytic Processes

22–25 April 2001, Strasbourg, France
IMRET5, 5th International Conference on Microreaction Technology

14–16 May 2001, Toulouse, France
International Symposium of Mixing for Industrial Processes

27–30 May 2001, Kolding, Denmark
ESCAPE11, 11th European Symposium on Computer Aided Process Engineering

29–31 May 2001, Albi, France
7th International Symposium on Agglomeration

29 May – 2 June, Koscielisko – Zakopane, Poland
9th International Conference on Electrostatics

19–21 June 2001, Stockholm, Sweden
10th Symposium on Loss Prevention and Safety Promotion

26–28 June 2001, Nuremberg, Germany
3rd European Congress of Chemical Engineering

28–31 August 2001, Budapest, Hungary
HUN-PRA PARTEC, Practical Aspects of Particle Technology

2–5 September 2001, Antwerpen, Belgium
9th World Congress of Anaerobic Digestion

23–28 September 2001, Melbourne, Australia
6th World Congress of Chemical Engineering

16–18 October 2001, Dusseldorf, Germany
FILTEC Europa, International Conference and Exhibition

For more information on these meetings contact
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