

SEFI offers a unique opportunity for institutions to join the discussion about the state of the art and the future of Engineering Education in Europe and worldwide.

The European Society for Engineering Education is an international association of more than 300 members: Higher engineering institutions, professional societies, student associations, students, academic staff, engineers and companies within Europe and worldwide. It has been actively advocating for quality of the engineering education since 1973.

OBJECTIVES

- To contribute to the development and improvement of engineering education and the position of the engineering professionals in society
- To provide appropriate services and promote information about engineering education to our members
- To improve the communication between the various engineering education players
- To promote cooperation between industry and those engaged in the education of the engineers
- To act as an interlocutor between our members and other scientific societies and international organisations
- To promote the European dimension of higher engineering education curricula

VALUES

Creativity and Professionalism • Engagement and Responsibility • Respect for Diversity and Different Cultures
Transparency • Institutional Inclusiveness • Multidisciplinarity and Openness • Sustainability

SEFI is committed to diversity, equality and inclusion within our engineering education community. SEFI will continually review its policies and practices to fulfil this commitment and to ensure that it influences SEFI's activities and liaisons.

2015-2020 PRIORITIES

Attractiveness, in terms of engineering education in general, in making a major contribution to the attractiveness of engineering to potential students at all levels, but also in terms of SEFI's attractiveness to both established and young engineering educators and researchers;

Education and Skills - Employability, in ensuring the best preparation of graduates for European and worldwide employers, whilst supporting the improvement of more coherent engineering education processes;

Capacity building, in reshaping engineering education and contributing to the development of guidelines facilitating the mobility of graduates and students (accreditation/quality assurance) in Europe and in the World

Digital world - in taking into account the reality of a digital world where e-learning offers new possibilities and challenges, and where open and on-line learning and teaching may permanently change how engineering is taught and learned.

Engineering education as a research field is developing strongly in Europe. This is vital to underpin the development of new educational practices and technologies to support the continued development of engineering education. There is a need to influence policies to ensure that this important research subject is adequately funded through EU programmes.

ACTIVITIES

Working Groups and Committees:

- Attractiveness of engineering education
- Ethics in engineering education
- Gender and Diversity
- Engineering education research
- Curriculum development
- Continuing engineering education & lifelong learning
- Open and online education
- Physics in engineering education
- Mathematics in engineering education
- Quality assurance and accreditation
- Sustainability in engineering education
- Engineering skills
- Student cooperation
- University-Business cooperation
- Capacity building

Workshops and seminars are regularly organised by the working groups on specific themes of engineering education and in the context of the priorities fixed by our Board of Directors. Participation in the working groups is reserved to the members of SEFI.

European Engineering Deans Council - EEDC

A specialised platform dedicated to deans, directors and faculty leaders. The Deans Council meets on annual basis at Deans' Conventions to discuss topics relevant to their interests in the university leadership dialog. Deans from SEFI member institution may become members of the Deans' Council free of charge.

SEFI Projects

Since its creation, SEFI has initiated and participated in many international cooperation projects, and is now active in initiatives under ERASMUS+ and HORIZON 2020. SEFI also facilitates the creation of partnerships between its members for successful projects.

Annual Conferences

The SEFI Annual Conference is a scientific conference focused on Engineering Education. It is a great opportunity for all stakeholders to exchange their views and to meet their peers and create a European network of contacts. Each year the topic of the conference changes reflecting the objectives of the Society and the priorities identified by its members. The papers presented at the conference are listed in SCOPUS.

SEFI COOPERATION

SEFI enables numerous contacts to be made, which lead to practical cooperation schemes or long-term exchanges between individuals, teaching institutions, students and industrial companies from 42 European countries or worldwide.

SEFI maintains official relationships with UNESCO and the Council of Europe, and has regular contacts with the European Commission and other European partners and with sister organisations outside Europe.

SEFI is a founding member of EuroPACE (1996), IACEE (1989), IFEEs (2006), ENAEE (2006), IIDEA (2011), and EEDC (2012).

SEFI PUBLICATIONS

- European Journal of Engineering Education - EJEE - is a bi-monthly scientific journal of SEFI. It presents important developments in engineering education in Europe and in the world.
- Monthly electronic Newsletter and Weekly Press Review
- SEFI Annual Reports
- Annual Conference and Workshop Proceedings
- Special Publications and Documents
- Position papers and topical studies

