

Varietas delectat... Complexity is the new normality
Industry 4.0 and Diversity in Engineering Education

Creation is not finished! Roles and expectations for universities keep on changing in the 21st century whilst the mission of science, engineering and higher education remains substantial. Stakeholders expect *academia* to better promote innovation, reform the knowledge economy, and manage vastly altered student populations.

Turbulence, interdependency and complexity characterize the operating environment which is also influenced by socio-cultural-economic, structural and political challenges. **Freedom, openness and creativity determine the digital economy.** Open content and free access to knowledge help keeping collaborative creativity sustainable. **New generation of learning technologies and networks** are ubiquitous and mobile which reshape access to and delivery of learning. **Cutting edge fields** are artificial intelligence, learning self-analytics, adaptive learning, new credentialing, peer learning, user generated content, revolution of assessment.

The themes for the 47th annual conference of SEFI are from but not limited to the followings:

- Integrated learning environments for the digital native learners
- Talent management
- Open and online teaching and learning
- Gender, inclusion and ethics
- Impacts of demographics in tertiary education
- Lifelong learning
- New notions of interdisciplinarity in engineering education
- Network Capital
- 4th Industrial Revolution
- Diversity in Engineering Education?
- Strong demand for democratic involvement in educational processes
- How to detect and attract talents with new generations of learning technologies and networks?
- New Complexity quest in engineering sciences
- Sustainability reflecting the complexity of modern society
- Fundaments of engineering education: mathematics and physics



Submission types

Authors can submit an abstract until 5 March.

Authors of accepted abstracts will be able to submit a full paper until 30 April.

- **Concept paper (abstract length: max 250 words)**
Authors present ongoing projects and completed studies of practice in Engineering Education.
- **Research paper (abstract length: max 250 words)**
Authors present original studies by following the standard practices for Engineering Education Research.
- **Workshop (abstract length: max 500 words – length of session: 90 minutes)**
Authors introduce a learning experience for the participants while ensuring active participation to the conference session.

Session formats

Once authors have submitted the full paper, they can choose how they would like to present their contribution:

- **Discussion**
- **Hands-on / Mind-on activity**
- **Oral presentation**
- **Poster pitch and presentation**