

Engineering Education for Humanity in Challenging World

SEFI 2026 – CALL FOR PAPERS

The current global landscape is characterized by many complex and challenging situations that demand the expertise and involvement of engineers and scientists. Many of these challenges frequently call for innovative engineering solutions, whether directly through technical design or indirectly through multidisciplinary collaboration. While engineers are often focused on providing reliable, optimized, and efficient solutions, the broader societal, ethical, and cultural impact of these solutions might be beyond the scope of traditional engineering practice.

Addressing these challenges effectively requires a more holistic perspective integrating insights from social sciences, humanities and ethics into the engineering curricula and professional practice. By fostering interdisciplinary understanding, engineers can not only create technically robust solutions but also ensure that these solutions are socially responsible, culturally sensitive, and sustainable in the long term.

By emphasizing humanity in engineering, we aim to foster approaches that tackle global challenges thoughtfully, and that produce solutions that advance technology while nurturing society, culture, and human sympathy. The 54th SEFI Annual Conference seeks contributions that explore how engineering and scientific practice can be more deeply aligned with human values.

We welcome four ***submission types*** (described in more detail below):

- **research papers**, on engineering education (both quantitative and qualitative)
- **practice papers**, on teaching innovations in engineering education
- **workshop proposals**, to interactively demonstrate or explore an educational practice
- **idea market presentation**, to present work in progress or practical prototypes

Conference Tracks

While contributions on any aspect of engineering education are welcome, we particularly welcome contributions aligned with one of the following conference tracks:

1. Dialogue between engineering and society – effects on education
2. Engineer as a social debater – new skills needed?
3. Teaching mathematics and physics in engineering education
4. Digital tools and AI in engineering education
5. Open and online education for engineers
6. Diversity, equity and inclusion in our universities and in our teaching
7. Sustainability and society in engineering
8. Continuing education and life-long learning in engineering
9. The attractiveness of engineering
10. Engineering skills, professional skills, and transversal skills
11. Engineering ethics education
12. Curriculum development and emerging curriculum models in engineering
13. Quality assurance and accreditation of engineering educational programs
14. Building the capacity and strengthening the educational competences of engineering educators
15. Strengthening EER (*Engineering Education Research*) as a research field
16. International cooperation in engineering education
17. University alliances – impact on engineering education
18. Innovation and Entrepreneurship in Engineering Education

Submission types

Participants are invited to submit one of four submission types:

- **Research paper:** This submission presents original quantitative or qualitative research that follows the standard practices in engineering education research. A research paper should include a theoretical background and literature review, as well as methods, analysis, and interpretations of the research. The paper should outline the contribution of the research to both engineering education research and practice. A research paper may be presented either as an oral presentation or as a poster.
- **Practice paper:** This submission presents a practical contribution to engineering education by showcasing an intervention, method, or teaching approach grounded in real experience, with clear relevance and innovative potential. The paper should indicate the stage of development of the presented intervention/work and logically outline its set-up. It should also describe the adaptability of the intervention/work for other contexts and its potential impact on the engineering education community. A practice paper may be presented either as an oral presentation or as a poster.
- **Workshop Proposal**: This submission outlines an engaging and interactive session that has a sound theoretical foundation and a practical application for engineering education. The proposal should be of interest to SEFI community members and must include a clear learning goal, a description of the theoretical foundation, and a plan for facilitating the workshop, ensuring that most of the time will be spent on active learning experiences for the participants.

- **Idea market presentation:** This submission presents ongoing research or practical prototypes in engineering education. Authors may describe their current work and further plans or demonstrate their prototypes and present their application within engineering education. Idea market presentations are accepted exclusively in the form of a poster. During the poster session, idea market presentations are intended to create a collaborative space for sharing ideas and networking, encouraging participants to discuss ongoing work. The authors of accepted idea market presentations are expected to also prepare a short video presentation of a maximum length of 30 secs., which will be presented during the plenary poster pitches. This video presentation will be available online to all participants of the conference and can be accompanied by a non-mandatory extended version that should not exceed 3 minutes in length.

For research and practice papers the maximum length is 8 pages (excluding references), for workshop proposals, it is 6 pages (excluding references). Shorter submissions are welcome and may provide more flexibility for authors to adapt based on reviewers' comments before submitting the final camera-ready copy.

Important dates

ONE-ROUND REVIEW PROCESS:
For the 2026 SEFI Conference, as in the past two years, we will have one-round submission process with only one review phase of the full papers. Abstract-only submissions will not be accepted.

To ensure an efficient review process, we do not foresee extending the deadline!

Submission opens	02.02.2026
Submission deadline • Research full papers • Practice full papers • Workshop initial proposals • Idea market presentations	01.04.2026
Reviewer feedback and notification of acceptance, conditional acceptance or rejection	29.05.2026
For conditionally accepted papers: Submission of camera-ready revised papers and rebuttals.	10.6.2026
For conditionally accepted papers: Final notification of acceptance or rejection	30.06.2026
Final research and practice paper submission (camera ready)	30.06.2026
Early bird registration deadline	03.07.2026
Conference date	07.09.2026 – 10.9.2026
Final workshop report (camera ready)	15.10.2026

For further information contact: sefi2026@guarant.cz

Conference website: https://sefi2026.eu/