

First Announcement



21st SEFI MWG Seminar Mathematical Education of Engineers Tampere, Finland, June 11 – 14, 2023

The [SEFI \(European Society for Engineering Education\) Mathematics Working Group \(MWG\)](http://sefi.htw-aalen.de) was established in 1982. The aims of the Working Group include providing a forum for the exchange of views and ideas amongst those interested in engineering mathematics and promoting a fuller understanding of the role of mathematics in the engineering curriculum, and its relevance to industrial needs. The Working Group issued the third edition of its curriculum document (“A Framework for Mathematics Curricula in Engineering Education”, cf. <http://sefi.htw-aalen.de>) in September 2013. This edition is based on mathematical competencies in didactical research with emphasis on practise roles of researchers and practitioners and their cooperation. How to assess competencies and the major aim of teaching mathematics as a tool to future engineers will also be among the discussed topics.

In summer 2023, the 21st SEFI MWG seminar will be organised by Tampere University of Applied Sciences in Tampere, Finland. The main topics of the seminar will be the following ones:

- Mathematical competencies in practice and didactical research
- How to assess competencies?
- The goal of teaching
- Active learning strategies
- Mathematical Engineering and Informatics

Other contributions related to the mathematical education of engineers are also welcome.

Keynote speakers will be:

- Associate Professor PhD **Per Henrik Hogstad** – University of Agder, Faculty of Engineering and Science
- Associate Professor PhD **Ion Mierlus Mazilu** – Technical University of Civil Engineering, Bucharest
- Professor **Markku Saarelainen** - University of Eastern Finland

Abstracts of presentations, posters, or software demonstrations (maximum 1 page) should be sent by **February 28th, 2023**. For instructions see the web page of the conference:

<https://events.tuni.fi/sefimsig2023/call-for-papers/>

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