

Fourth Announcement



20th SEFI Special Interest Group in Mathematics Seminar Mathematical Education of Engineers Agder, Norway, June 17 – 18, 2021

The [SEFI \(European Society for Engineering Education\) Special Interest Group in Mathematics - SIG in Mathematics \(known as the former Mathematics Working Group \(MWG\)\)](#) 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”) 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 discussed topics.

Due to COVID-19 the planned 20th SEFI Special Interest Group in Mathematics Seminar in June 2020 was postponed. **Now we invite to a fully digital event in June 2021.** The 20th SEFI SIG in Mathematics Seminar will be organised by University of Agder - Kristiansand, Norway and the main topics of the seminar will be the following ones:

- Mathematical competencies in didactical research (practise roles of researchers and practitioners and their cooperation)
- How to assess competencies
- The goal of teaching – “Service mathematics – mathematics for non-specialists”
- Subjects related to teaching adequation to COVID-19 (NEW!)

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

Abstracts of presentations, posters or software demonstrations (maximum 1 page) should be uploaded by **March 26 2021**. For instructions see the web page for the conference:

<https://sefimwg2020.sciencesconf.org/resource/page/id/14>

Keynote speakers include:

- Keynote Speaker TBA
- [Simon Goodchild](#), University of Agder, Norway
- [Michael Rygaard Hansen](#), University of Agder, Norway

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Program Committee

Burkhard Alpers, HTW Aalen, Germany
Marie Demlova, Czech Technical University, Czech Republic
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