

CERME 11: Thematic Working Group 15

Teaching Mathematics with Technology and Other Resources

Leader: Alison Clark-Wilson, (UK), a.clark-wilson@ucl.ac.uk

Co-leaders: Ornella Robutti (Italy); Iveta Kohanová (Norway); Melih Turgut (Turkey)

Scope and focus of the Thematic Working Group

The CERME technology groups adopt a broad view of information and communication technology (ICT) resources in mathematics education alongside traditional tools and resources. TWG15 addresses issues that relate most to teaching, teacher education and professional development. TWG16 focuses more on students' learning with technologies and software/task design issues. Previous TWG15 outputs evidence a wide variety of research topics, theoretical and methodological approaches that concern both short-term, small-scale studies on particular aspects of mathematics and increasingly, longer-term and large-scale projects. Emerging research foci include technology-mediated formative/summative assessment and factors that affect teachers' choices and uses of digital resources. TWG15 positions teachers both as professionals (working and learning individually or in collaboration) and as teachers of students in traditional or flipped classes.

Call for papers and poster proposals

TWG15 particularly welcomes theoretical, methodological, empirical or developmental paper and poster proposals on the above and other themes, such as:

- The specific knowledge, skills and attributes required for efficient/effective/equitable mathematics teaching with generic and mathematics-specific technologies and resources.
- The design and evaluation of initial teacher education and teacher professional development programmes (to include MOOCs) that embed the above knowledge, skills and attributes.
- Theoretical and methodological approaches to describe the identification/evolution of teachers' practices (and of 'best' practices) in the design and use of technology and resources in mathematics education.
- Theory and practice relating to the formative/summative assessment of mathematical knowledge in technological environments.

However, any paper/poster of relevance to the overall focus of the group will be considered.

Papers and poster proposals should use the CERME template, and conform to the guidelines at the [guidelines website](#). CERME 11 uses a [submission website](#). The authors submit the initial version of their paper on the website (uploading it both as a .doc and a .pdf file, and providing the required information, in particular the TWG number).

Reviews and decisions

Each paper will be peer-reviewed by two persons from among those who submit papers to this TWG. Please expect to be asked to review up to two papers yourself. The group leaders will decide about the acceptance of posters.

Important dates

- **15th July 2018:** Early bird submission (please refer to the [early bird website](#))
- **15th September 2018:** Initial submission by authors in the submission system.
- **3rd November 2018:** Initial decisions on papers and posters sent.
- **24th November 2018:** The authors submit a revised version if needed.
- **5th December 2018:** Final decisions sent.
- **12th December 2018:** Final version uploaded.
- **13th January 2019:** Papers available on CERME 11 website.