## CERME 9: Thematic Working Group 15
## Teaching mathematics with resources and technology

**Leaders**

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**Scope and focus of the Thematic Working Group**

Discussions within the technology group since CERME 6 conference confirmed the relevance of considering information and communication technology (ICT) in mathematics education within a range of various resources, such as software, hand-held devices, online classroom activities, but also more traditional tools or textbooks. The scope of this working group is to address issues related to resources and technology that most concern teachers, while the TWG 16 focuses rather on students. The group discussions at previous ERME conferences evidence a wide variety of research topics, theoretical and methodological approaches. However, it appears that the presented research is rather short-term, focusing on particular aspects of teaching mathematcs, often conducted in controlled, laboratory conditions. This can limit the ability to draw general conclusions and highlights the need for longer-term studies about the "real" use of technology and resources by "ordinary" teachers within "ordinary" classrooms, which requires an appropriate methodology.

**Call for papers and poster proposals**

TWG15 particularly welcomes theoretical, methodological, empirical or developmental papers (10 pages maximum) and poster proposals (2 pages) on these and other issues, such as:

- specific knowledge and skills that is required for efficient/effective mathematics teaching with technologies and resources
- teacher education and teacher professional development programmes embedding this knowledge and skills and assessment of their impact on teachers' practices
- methogological approaches to the evaluation of the evolution of teachers' practices in the use of technology and resources in math education
- "best practices" with designing and using technologies and resources in teaching mathematics and in assessing mathematical learning
- teachers communities of practice concerned with technology and resources
- impact of ICT and digital resources on mathematics as a school subject matter

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

Papers and poster proposals should use the CERME word template, and conform to the guidelines at http://www.cerme9.org/guidelines/guidelines-for-authors/. To submit it, you need to email your paper as a WORD document to **Jana Trgalová <jana.trgalova@univ-lyon1.fr>**, AND at the same time to the conference secretariat at **submission@cerme9.org**. If possible please also send a pdf version in addition to the WORD document.

**Reviews and decisions**

Each paper will be peer-reviewed by two persons from among those who submit papers to this Thematic Working Group. Please expect to be asked to review up to three papers yourself. It may be necessary for you to revise your paper before final acceptance. The group leaders will decide about the acceptance of posters.

**Important dates**

September 15, 2014:  Deadline for submission of papers
October 1, 2014:     Deadline for submission of poster proposals
November 25, 2014:   Deadline for reviewers to submit their reviews
December 5, 2014:    Decisions about paper or poster acceptance
December 20, 2014:   Reduced fee registration deadline
January 10, 2015:    Deadline for revisions of papers
January 20, 2015:    Papers for presentation at the congress available on the CERME website