



TSG 47 Pre-service mathematics education of primary teachers

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This Topic Study Group (TSG 47) invites paper submissions on significant new trends and developments in research, theory, and practice about all different aspects that relate to the mathematics education of pre-service primary teachers. The phrase “different aspects” should be interpreted broadly to include (among others) the following:

- pre-service teachers’ mathematics-content preparation as well as their mathematics-specific pedagogical preparation;
- pre-service teachers’ mathematical knowledge for teaching as well as their beliefs about mathematics or mathematics teaching and learning;
- textbooks and other curriculum materials as well as assessment tools used in mathematics teacher education programs for pre-service teachers;
- pre-service teachers’ experiences in mathematics classrooms and issues related to their school placements;
- teacher educators’ knowledge for teaching pre-service teachers.

We also clarify that TSG 47 is interested in research contributions to the mathematics education of primary teachers independently of the context in which this research took place: universities, special institutions, training schools, or elsewhere. The contributions, though, need be of interest to an

international audience.

TSG 47 will offer a forum for an overview of the current state-of-the-art, invited contributions from experts in the field (Fou-Lai Lin, Megan Franke, and Skip Fennel), presentation of high-quality research reports from TSG participants, and discussion of directions for future research. In discussing the findings of research studies that took place in different countries, the TSG participants will also have an opportunity to learn about practices used around the world in relation to the mathematics education of pre-service primary teachers such as similarities and differences in the formal mathematics education of teachers, types and routes of teacher education, and factors that can influence similarities or differences.

To support the development of scientific knowledge related to the mathematics education of pre-service primary teachers gained at TSG 47 during the conference, there is a preliminary plan for a post-congress **publication** with Springer based on contributions presented at TSG 47. The precise nature of this possible publication will be discussed during the conference.