



TSG 34

AFFECT, BELIEFS, AND IDENTITY OF MATHEMATICS TEACHERS

The Organizing Team

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Topic Study Group 34 in the ICME-14 addresses the themes of affect, beliefs and identity in mathematics education, with a special focus on mathematics pre-service and in-service teachers.

Relevant studies for this TSG relate to concepts such as beliefs, motivation, attitudes, emotions, values, identity, positioning, interest, flow and more. We invite research based on diverse theoretical backgrounds such as psychological frameworks, socio-cultural and discursive. Methods of study can be quantitative, qualitative, mixed or theoretical. Research on affect-related theme is indeed traditionally rich and diverse and we hope that such a diversity and richness will be a relevant feature of TSG 34 in Shanghai.

The proceedings of last ICME-13 (in press) give an interesting overview of current research on the theme, presenting new and consolidated trends and sketching emerging themes. This can be considered the starting point for the work of the Topic Study Group in Shanghai.

The aim of the Topic Study Group is to create the occasion for researchers in the field of affect to share ideas, discuss results and identify promising developments. We highlight that the current Topic Study Group is focused on teachers, including both pre-service and in-service mathematics teachers. This includes mathematics educators at the tertiary level. Research focusing on the affective aspects of teacher-student interaction is also welcome. Here is a (non-exhaustive) list of issues that we would like to be addressed:

- Theoretical and methodological issues concerning research on teacher's affect

- The analysis of the mutual relationship between affective constructs
- The connection of affective constructs to cognition, social interaction and other constructs studied in mathematics
- The design and implementation of teacher education programs for promoting aspects of affect
- The role of mathematics in research on affect (i.e. in which way research and results take into account the specificity of mathematics teaching and learning?)

All the participants will be engaged in the review process prior to the conference.