



## 15th International Congress on Mathematical Education

7-14 July 2024 • ICC Sydney, Australia  
Come and be counted

# Topic Study Group 4.7: Affect, beliefs, and identity of mathematics teachers

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## Team details

### Co-Chair

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### Members

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### IPC Liaison

Cristina Ochoviet (Administración Nacional de Educación Pública, Uruguay)

## Overview

Topic Study Group 4.7 (TSG 4.7) at the ICME-15 will address 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, socio-cultural, and discursive frameworks. Methods of study can be quantitative, qualitative, mixed or theoretical. Research on affect-related themes is indeed traditionally rich and diverse and we hope that such diversity and richness will be a feature of TSG 4.7. The proceedings of last ICME-14 (in press) give an interesting overview of current research on





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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 Sydney.

### Areas of interest

The aim of the Topic Study Group is to create the occasion for researchers and others interested in the field of affect to share ideas, discuss results and identify promising developments. We highlight that the TSG4.7 has its focus on 'teachers' – 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.

Following is a (non-exhaustive) list of issues that we would like to be addressed in papers and posters submitted to TSG4.7, and the subsequent discussions at ICME-15:

- Theoretical and methodological issues concerning research on teacher's affect, beliefs and/or identity.
- The analysis of the mutual relationship between affective constructs.
- The connection of affective constructs to cognition, social interaction and other constructs studied in mathematics education.
- The design and implementation of teacher education programs for promoting aspects of affect, beliefs and/or identity.
- 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)

### How to make a submission to this Topic Study Group

Submissions for Topic Study Group Papers and proposals for Posters open 28 April 2023 via the official ICME-15 website, [icme15.org](http://icme15.org). The website also contains a timeline of dates for the activity of the Topic Study Groups in the lead up to the Congress.

For questions about this TSG, please contact the Co-Chairs using the email addresses provided.

