



## TSG 39

# LANGUAGE AND COMMUNICATION IN MATHEMATICS EDUCATION

### The Organizing Team

Chair: Marcus Schütte, Technical University Dresden, Germany

Co-Chair: Jenni Ingram, University of Oxford, UK

Members:

Tran Vui, Hue University, Vietnam

Maíre Ní Riordáin, University College Cork, Ireland

Fengjuan Hu, Capital Normal University, China

This TSG invites presentation, discussion, and reflection on the latest research on language and communication related to learning and teaching mathematics. The TSG will build on the strong body of research in mathematics education that addresses these topics and will also consider important and relevant questions that arise.

We use “language and communication” in an inclusive way, encompassing the multimodal and multi-semiotic nature of mathematical communication. Thus, we welcome contributions focusing on any mode of communication – oral, written, gestural, visual, etc. This also includes types of mathematical communication which emerged through the use of new technologies. We also welcome contributions drawing on a range of theoretical and methodological perspectives. We welcome papers presenting philosophical, theoretical and empirical work.

Of particular interest are papers that address one or more of the following sub-themes:

1. The role of communication, interaction, or discourse in the learning and teaching of mathematics.
2. Mathematical language, registers, colloquial and technical languages and their interplay.
3. A focus on theoretical issues with their basis in the fields of sociology, psychology, linguistics etc.
4. Methodological issues in the study of language, communication and interaction in mathematics education.
5. Social justice issues within language and communication research in mathematics education.