

# Professional Noticing of Mathematics Teachers: Recent Trends, and Relations to Instructional Quality

**Date:** 13 May 2024 (Mon)

**Time:** 16:00-17:30

**Venue:** E33-2036, Faculty of Education

**Language:** English

**Registration:** Online Registration (<https://go.um.edu.mo/8zog86wa> or )

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## Speaker:

Prof. Gabriele KAISER is a Senior Professor in mathematics education at the Faculty of Education of the University of Hamburg, Germany. She is the Editor-in-chief of ZDM – Mathematics Education. She was the former president of International Community of Teachers of Mathematical Modelling and Applications and the Convenor of the ICME-13. Her research areas include: teacher education, teaching and learning of modelling, international comparative studies, gender and cultural aspects in mathematics education.

## Abstract:

The professional noticing of mathematics teachers is an indispensable part of teachers' competence reflecting situation-specific skills, such as perception, interpretation and decision-making, which are needed to enhance instructional quality in the daily performance of teachers. A high number of empirical studies on teacher noticing in the field of mathematics education has been developed in the last two decades reflecting a variety of different perspectives.

In the talk, a description of the current state-of-the-art on noticing in mathematics education will be given based on recent literature surveys published in the field with a specific focus on different perspectives on noticing and results of empirical studies on the promotion of noticing with pre- and in-service teachers. Many empirical studies point to the relevance of the instructional quality as part of teachers' performance in classroom. Results of empirical studies and an own instrument to evaluate instructional quality will be described. The talk will close with an outlook on possible further developments on teacher' professional noticing.