

Dear colleagues,

We are planning an international symposium from March 12 - 14, 2025 in Bremen on

“YOU WANT PROOF. I’LL GIVE YOU PROOF.” – MATHEMATICAL, EDUCATIONAL, & CULTURAL PERSPECTIVES

International colleagues from mathematics education and a renown colleague from linguistics (University of Bremen) will contribute to this conference.

Four key-note speakers:

Marcus Callies Linguistics, University of Bremen (Germany)

Mika Gabel Mathematics Education, Afeka Academic College of Engineering (Israel)

Leander Kempen Mathematics Education, University of Greifswald (Germany)

David Alexander Reid Mathematics Education, Agder University (Norway)

will start the days with a plenary talk of 60 minutes, followed by a discussion of 20 minutes.

Yusuke Shinno Hiroshima University (Japan) & **Takeshi Miyakawa** Waseda University (Japan) will give insights into our international project „International Comparative Study on the Influences of Ordinary Language in Mathematical Argumentation in Mathematics Classrooms“.

Participants are expected to take an active part in the discussions and invited to spark further discussion by an own presentation (30 minutes). We would expect all talks (including the plenary talks) to relate in some way to the topic of examining the nature of proof and proving in mathematics classrooms (understanding “classrooms” in a broad way). We are particularly interested in diverse perspectives on this topic, coming from different contexts. The following questions might inspire contributors to the conference:

What theoretical and methodological approaches can be used to better understand the diversity of proof and proving across cultures and languages? How might we investigate if students’ critical thinking is present in classrooms and what does that mean?

We are interested in investigating and comparing different perspectives, theoretical & methodological stances, as well as empirical research on classroom teaching and learning practices around proof and proving, in different contexts and from an international perspective. A detailed description of the symposium and a preliminary program can be found in the attached document.

The number of participants will be limited to 40 people to ensure a workable process.

We are very interested in collaborating with you, but unfortunately, we do not have the financial means to cover your travel or accommodation costs. If any of your PhD students (or close colleagues) are also interested, please feel free to mention the symposium to them.

If you are interested in giving a presentation, please send us your title and abstract by February 1st, 2025.

We hope that you will have the time, interest and financial means for this endeavour.

We are looking forward to your response,

Christine Knipping

and

Marie-Theres Brehm