

# SAMTAL@SU

Science and Mathematics Teaching and Learning Seminars

## DEVELOPING THE TEACHING OF UNDERGRADUATE MATHEMATICS THROUGH RESEARCH

**Barbara Jaworski**

**Date and time: 17 September 11:30-13:00**

**Place: Room 31, House 5, Kräftriket.**

*Lunch seminar followed by informal discussion (samtal) over coffee. Register for a free lunch sandwich at <https://doodle.com/poll/5u3ntc553bqcr328>*



### Abstract

I will talk about how mathematics teaching can develop through inquiry processes. To do this I will draw on a range of examples from teaching practice in which I have taken part either as a teacher, researcher or both. The examples will be related to published papers. I will aim for us to discuss the nature of teaching, what we aim to achieve through different approaches, and how we can design teaching to fulfil particular objectives for particular cohorts of students. In our discussion I hope we can offer different perspectives and rationales for how we teach and perhaps come to consider alternative views relating to what we teach and who our students are.

Barbara Jaworski is Professor of Mathematics Education at Loughborough University and Doctor Honoris Causa at the University of Agder, Norway. She was formerly Professor of Mathematics Education at the University of Agder, Norway, and before that a Reader at the University of Oxford, UK. Her research looks mainly into the development of mathematics teaching through research and through partnerships between teachers and researchers. She has been Chief Editor of the Journal of Mathematics Teacher Education, President of the European Society of Mathematics Education and President of the International Group for the Psychology of Mathematics Education.

SAMTAL@SU seminars are arranged in collaboration with:

**The Department of Mathematics and Science Education**  
**The Centre for the Advancement of University Teaching**



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