

Einladung zum wissenschaftlichen Kolloquium des IDMI

Serife Sevinc

Technische Universität Dresden, Germany
Middle East Technical University, Türkiye

Research on posing modelling problems: What mathematics teacher candidates could gain from problem-posing experience?

Problem-posing is a fruitful experience for students, teachers, and teacher candidates. In this talk, I will share some of my research with mathematics teacher candidates regarding their challenges and takeaways from posing modelling problems. The findings, drawn from the analysis of pre-service middle school teachers' written work in some research and their oral explanations during interviews in other research, revealed their conceptions of a "good modelling problem" and the kinds of knowledge they employed when posing modelling problems. However, it should be noted that problem-posing is not a straightforward task; therefore, this talk will also address some of the challenges the teacher candidates experienced in this process.

Bio

Serife Sevinc (Şerife Sevinç; in her native language) is an Associate Professor of Mathematics Education at Middle East Technical University, Türkiye, and a Postdoctoral Research Fellow in the Department of Primary Education/Mathematics Education at Technische Universität Dresden (TU Dresden), Germany. She earned her Ph.D. in Curriculum and Instruction with a specialization in Mathematics Education, as well as a minor Ph.D. in Inquiry Methodology, from Indiana University Bloomington, U.S.A. Her doctoral research, supervised by Prof. Richard Lesh, focused on the nature of pre-service teachers' knowledge in designing modeling problems and pre-service teachers' conceptions of problem characteristics that facilitate the modeling process. She is deeply committed to advancing the field of mathematics education, particularly the modeling community, through publishing research reports, practitioner articles, book chapters, and conference proceedings; organizing teacher training workshops; designing mathematical modeling courses for prospective teachers; and supervising master's theses and doctoral dissertations. In recent years, she has been an active member of the ICTMA (International Community of Teachers of Mathematical Modelling and Applications) and CERME (Congress of European Research in Mathematics Education), regularly participating in conferences and serving as a co-leader of TWG6: Applications and Modelling at CERME14.

Dienstag, den 24. Juni, um 17 Uhr c.t. im Raum 29,
Henriette-Son-Str. 19, 48149 Münster

Vorgespräch bei Kaffee und Tee um 16:30 Uhr im Raum 14,
Henriette-Son-Str. 19, 48149 Münster

Kontakt: Stanislaw Schukajlow, schukajlow@uni-muenster.de