

## **ECRD Workshop on Mixed Methods in Mathematics Education**

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### **Abstract**

Mixed-methods research designs become more and more popular in mathematics education research. But what is mixed-methods and when does it make sense to engage in this challenging research design?

We start the workshop with a brief overview on mono-methodological research designs and their advantages and disadvantages in order to introduce mixed-methods research a possibility of overcoming weaknesses and limitations by deliberately intertwining different types of methods. Following Leuders and Schulz (2019) different prototypical mixed-methods research designs are presented, illustrated by research projects and discussed with the participants with respect to the relation between generating and validating hypotheses, overviews and deeper insights, as well as methodological challenges. Then, we derive quality criteria for mixed-methods designs and initiate the participants' work on relating their own existing or planned research to the presented prototypes.