

Universität zu Köln

**Mathematisch- Naturwissenschaftliche Fakultät
Seminar für Mathematik und ihre Didaktik**

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**Collaborative learning for
mathematical level raising,
what does it take?**

Abstract:

It is 30 years ago that I first met Hans Freudenthal and discussed with him his ideas about learning mathematics in small heterogeneous groups. It was the start of my research of collaborative mathematics learning. In my presentation I will give an overview of my research. I will focus on characteristics of learning materials, a helpful theoretical model, the role of the teacher, the size of small groups and new research lines.