

## WORKSHOP: “USEFUL TOOLS – SOFTWARE FOR (YOUNG) RESEARCHERS IN MATHEMATICS EDUCATION”

Alexander Meyer, Susanne Schnell, “Nachwuchsvertretung der GDM” (Group of young researchers in GDM)

TU Dortmund University (Germany), University of Cologne (Germany)

### Short description of the workshop: aims and underlying ideas

*There is a huge variety of computer programs, which can be more or less useful for (young) researchers in Mathematics Education. They range from tools to help you organize your literature (e.g. Citavi, Zotero or Endnote), analyze your data (e.g. MaxQDA, SPSS, NVIVO) or less specific programs which can be used for to-do lists and taking notes (e.g. Evernote, EndNote or OneNote). In this workshop, we will shortly introduce some of the mentioned programs and their main functions. Then, we'll invite participants to share their own experiences, tips and tricks of which programs have proven useful for them and how they can facilitate the work and life of a young researcher. Participants are encouraged to bring their own laptops to the workshop. The workshop aims at:*

- *Introducing participants to a some programs designed for facilitating the work of a young researcher; this means discussing basic ideas and a brief overview on main functions; a more profound application of the programs should then take place at home*
- *Encouraging participants to engage in a dialogue with each other to share experiences, strategies and tips acquired during their PhD or young researcher phase in using software*
- *Creating opportunities for participants to network with people from different nationalities.*

Planned timeline	Topic	Material / Working format / presenter
45 min	Short introduction of programs	Powerpoint presentation; Presentation (with phases of small group discussions in-between), presented by Meyer, Schnell
20 min	Small group discussions for evaluating the programs, discussing potentials and restrictions, and sharing further experiences with software; this	Small group discussion

*Last names of the organizers*

	phase can be structured by guiding questions in order to facilitate the communication, such as “how do you organize your literature? Which method has proven (not) fruitful for you?”	
25 min	Whole group discussion and sharing of experiences	Discussion, led by Meyer, Schnell