



Workshop

Integrating Educational and Cognitive Perspectives on Mathematics

Start Date	Wednesday, September 26 th , 2018 (from 1:00 pm)
End Date	Friday, September 28 th , 2018 (until 12:30 pm)
Location	University of Tuebingen, Tuebingen, Germany Lecture Hall, Schleichstr. 4, Department of Psychology

Workshop Topic

Since mathematical competencies play an important role in our everyday life, it is crucial to understand the underlying processes of internal and external influences on numerical and mathematical learning. Thereby, factors interacting with successful mathematical knowledge acquisition not only include interindividual differences in learners and educators but also cover specificities of the learning environment and context. Moreover, resulting from a variety of different but specific research questions, research approaches in the domain of mathematical education and learning operate on different granularity levels. Here, research approaches range from, for example, the investigation of the underlying processes required to solve one specific type of mathematical task to the evaluation of the efficiency of a specific instructional practice in a classroom setting to the investigation of consequences of (insufficient) mathematical knowledge on a socio-economic (society) level. To foster the already growing scientific exchange between research fields and approaches, scientific progress regarding mathematical education and learning would certainly profit from a holistic, multi-dimensional approach bringing together different perspectives and research backgrounds.

Therefore, the aim of this workshop is to bring together researchers focusing on different aspects of mathematical education and learning (e.g., individual variables and skills of both learners and teachers as well as varying context variables of the educational setting such as classroom environment, the inclusion of technological innovations, and curricula). Importantly, the workshop further aims at integrating research findings obtained on different granularity levels (e.g., cognitive/neuropsychological/neural level, instructional level, socio-economic level).

Keynotes	Joerg Baten Lisser Rye Ejersbo Ursula Fischer Daniel Hyde Jo-Anne LeFevre	Timo Leuders Kinga Morsanyi Hans-Christoph Nuerk David Purpura Ulrich Trautwein/Benjamin Nagengast
Registration	Registration is open until August 31st , at www.soscisurvey.de/workshop_registration_2018 .	
Costs	There is no registration fee.	
Poster Presentation	You can submit an abstract at the registration site until July 31st .	
Poster Award	The best three posters will be awarded with a certificate and a small prize.	
Organizational & Scientific Committee	Christina Artemenko, Julia Bahnmueller, Silke M. Bieck, Krzysztof Cipora, Gabriella Daroczy, Thomas Dresler, Urszula Mihułowicz, Korbinian Moeller, Benjamin Nagengast, Hans-Christoph Nuerk, Philipp A. Schroeder, Mojtaba Soltanlou, Ulrich Trautwein	
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