Vortragseinladung

Freitag, den 15.11.2019, 14 ct

Thema: „Motor abilities and gender differences in mental rotation”

Ort: Universität Regensburg, VG 0.05

Referent: Prof. Dr. Petra Jansen & Dr. Jennifer Lehmann
Universität Regensburg

Mental rotation is the process of imagining an object turned around. Since the seminal work of Shepard and Metzler (1971) more than 2500 studies have been published investigating factors influencing this cognitive ability. Thereby one has to differentiate between psychometric and chronometric mental rotation tasks and further in chronometric tests between object based and egocentric transformations.

In several studies our work group has investigated the relationship between motor abilities, gender differences and mental rotation. We will present the results, which are obtained in correlational, quasi-experimental and experimental studies with children, adults and children with neurological disorder. Regarding the question, if there are always gender differences in mental rotation tasks we will demonstrate, that the answer to this question is not as evident as supposed.