

**Speaker: Felix Schönbrodt, LMU Munich**

**Title: “Reproducibility in methodological research: Modelling and improving epistemic uncertainty”**

**Abstract:**

So far, methodologists have taken a convenient role in the replication/reproducibility crisis: Commenting from the sideline, they were able to propose best-practice procedures and solutions, and to point out weaknesses in existing research designs. But is methodological research itself immune to these issues? Can methodological research be “p-hacked” to make a study look good and increase its publishability? Recent meta-scientific research shows that methodological research has problems resembling those in other disciplines. I call for more meta-scientific research, both on methodological research itself, but also to add a methodologists’ perspective on the academic system and the reform movement. Towards that goal, I suggest how epistemic uncertainty about the truthfulness of a reported result (modelled as second order uncertainty) can be a fruitful framework to understand several aspects of the replication crisis and the reform movement.