

Gießener Abendgespräche – Kognition und Gehirn

08.07.2026

The Role of Metacognition in the Context of Climate Change, Artificial Intelligence, and the Spread of Misinformation

Dr. Nadia Said

Am I aware of the boundaries of my knowledge? This talk will give an overview of people's ability to judge the accuracy of their knowledge and how that relates to other processes in three contexts: climate change, artificial intelligence, and the sharing of manipulative content. First, the concept of metacognition, as well as three metacognitive measures: confidence, metacognitive sensitivity, and metacognitive efficacy, will be introduced. The second part of the talk will showcase the importance of metacognition in three case studies: (i) the influence of confidence as a moderator variable within the gateway belief model, (ii) the relationship between knowledge, confidence, and risk perception of artificial intelligence, and (iii) how metacognitive insight is related to the sharing of manipulative content online.