

Wednesday, November 19, 2025 at 13:00

Speaker:

**Emmanouil (Manos)
Konstantinidis**

Associate Professor of Psychology and Behavioural Science in
the Department of Psychology at the University of Warwick



**Title: Sources of information and confidence in
experiential risky choice**

Location: Institute of Computer Science (Informatik) | Friedrich-Hirzebruch-Allee 8 |
53115 Bonn | Seminar Room 0.016. (Online link: <https://shorturl.at/0dWYD>)

Abstract: Research on experiential risky choice (or feedback-based decision making) has traditionally focused on identifying and explaining differences relative to description-based choice. In experiential choice, people learn about the instrumental value of their options (outcomes and probabilities) through repeated choice and feedback. In contrast, description-based choice involves decisions based on idealised statistical summaries. These two sources of information have often been studied in isolation, even though real-world decisions typically require integrating both descriptive summaries and personal experience. In the first part of my talk, I will present empirical and computational modelling results, grounded in Cumulative Prospect Theory, that examine how descriptive and experiential information are combined in studies of risky decision making. In the second part, I will discuss recent work on choice and metacognition in feedback-based decision making, focusing on how features of the decision environment (e.g., payoff domain, option composition, riskiness, and type of feedback) influence both choice behaviour and confidence judgments. I will conclude by presenting results from a computational modelling analysis using factorial model comparison, evaluating how different learning and decision-making mechanisms predict both choice and confidence. Finally, I will address the theoretical, computational, and applied implications of these findings.

Emmanouil (Manos) is an Associate Professor of Psychology and Behavioural Science in the Department of Psychology at the University of Warwick. Before joining Warwick, he was an Associate Professor at Leeds University Business School. He received his PhD in Experimental Psychology from University College London and subsequently conducted postdoctoral research at Carnegie Mellon University (USA) and UNSW Sydney (Australia). His research focuses on cognitive psychology, decision making, and behavioural economics, with an emphasis on mathematical and computational modelling of the underlying psychological processes. His work examines risky and inter-temporal choice, reinforcement learning, dynamic decision making, and learning and memory. He is also interested in applying basic psychological insights to real-world domains such as climate change, financial decision making, consumer behaviour, gambling, and food choice. His research combines laboratory experiments, quantitative methods, big data, and computational models of cognition and decision making.

Host:

**Professor Dominik Bach,
Centre of Artificial Intelligence and
Neuroscience (caian)**

For more information on the event, please contact: Konstantinos Armaos at karmaos@uni-bonn.de or Olivier de Vries at odevries@uni-bonn.de