SMiP- IOPS Summer Conference 2024

20 – 21 June 2024, University of Mannheim

20 June 2024

10:00 – 10:30	**Arrival of participants**	**Room: Foyer O138**
10:30 – 10:45	Welcome and introduction	O138
10:45 – 12:15	Chair: Rob Meijer	
	Jan Killisch	Constructing multidimensional forced-choice tests using social desirability rankings
	Qixiang Fang	Leveraging measurement theory for natural language processing research
	Caroline Böhm	How do modifications of validated scales impact replicability in existing data?
12:15 – 13:15	**Joint lunch**	**Foyer O138**
13:15 – 14:45	Chair: Mandy Hütter	O138
	Caroline Streitberger	Disentangling storage from retrieval
	Jill de Ron	Towards a general modeling framework of resource competition in cognitive development
	Steven Bißantz	Beyond human expertise: Predicting replication success with a super learner
14:45 – 14:55	Group photos	Foyer O138
15:00 – 16:40	Poster Session (incl. Coffee break)	"Katakomben" O001
16:45 – 18:15	Chair: Francis Tuerlinckx	O138
	Pia Andresen	It's about time: Integrating time scales using measurement burst data
	Anna Neumer	Title 8
	Manuel Haqiqatkhah	Day-to-day dynamics, day-of-week effects, and week-to-week dynamics: Seasonal ARMA modeling of daily diary data
18:30 – 20:00	**Joint dinner (incl. Best Paper Awards)**	**"Katakomben" O001**
20:00 – open end	Informal get-together	"Katakomben" O001 / "Wirtschaftshof"

21 June 2024

Early morning	**Running event**		
09:00 – 10:30	Chair: Martin Schnuerch		O138
	Yufei Wu	Dynamics matter: An example of learning dynamics in a non-learning paradigm	
	Shanqing Gao	Associative priming and categorical priming in the word-picture paradigm: A hierarchical drift diffusion model analysis	
	Julia Liss	Is the α-parameter of the Lévy-flight model reflective of guessing?	
10:30 – 11:00	**Coffee break**		**Foyer O138**
11:00 – 12:00	Keynote Talk		O138
	Daniel Heck	Cognitive and psychometric modeling of truth judgments	
12:00 – 13:00	**Joint lunch**		**Foyer O138**
13:00 – 14:00	Chair: Tanja Lischetzke		O138
	Tamás Szűcs	A systematic examination of the causal determinants of affect	
	Emre Alagöz	Disentangling heterogeneity in response processes with IRTrees	
14:00 – 14:30	**Coffee break**		**Foyer O138**
14:30 – 15:00	Joint Board Meeting / Meeting of PhD Candidates		O142 / O138
15:00 – 15:15	Farewell (incl. Best Presentation Awards)		O138
15:15	**End of program**		

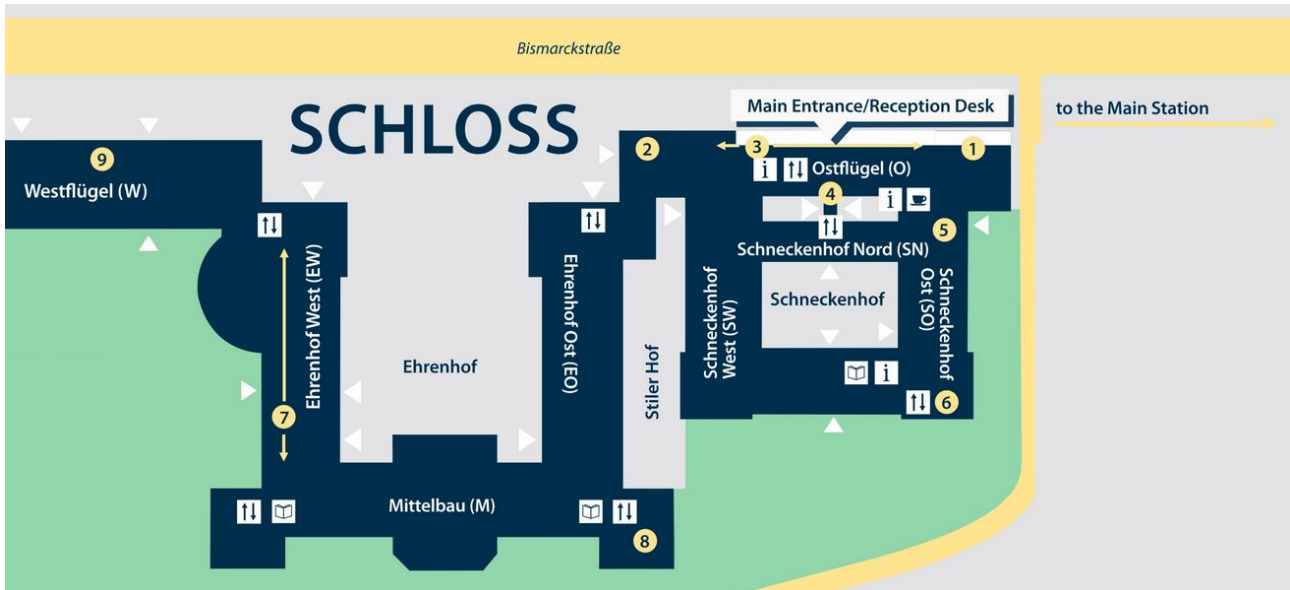**Keynote talk** (Daniel W. Heck, University of Marburg)

Factual statements are more likely to be judged as true when they are presented repeatedly. This repetition-based truth effect has been replicated many times, yet formal statistical models explaining the effect are still scarce. In order to address this, I outline different cognitive and psychometric modeling approaches for truth judgments. I highlight the benefits of precise mathematical equations instead of simulation-based models for testing theories about the moderating role of the plausibility of statements. The importance of model identifiability, auxiliary assumptions, and validation studies is illustrated in the context of competing multinomial processing tree models of the truth effect. In certain settings, such as fact checking, the actual truth status of statements may not be known. I show how cultural-consensus models provide a psychometric solution for estimating both the statements' truth status and the participants' expertise.

Posters

Jan Failenschmid	Modeling Non-Linear Psychological Processes: Reviewing and Evaluating (Non-)parametric Approaches and Their Applicability to Intensive Longitudinal Data
Tugba Hato	Lévy Versus Wiener: Assessing the Effects of Model Misspecification on Diffusion Model Parameters
Rebekka Kupffer	Investigating the Validity of Indices to Detect Careless Responding in Multidimensional Forced-Choice Questionnaires
Ulrich Lösener	Bayesian Sample Size Determination for Longitudinal Trials with Attrition
Katja Pollak	Testing the convergent validity of the non-decision time parameter of the diffusion model
Khadiga Sayed	The Analysis of Randomized Response "ever" and "last year" Questions: A non- Saturated Multinomial Model
Nicola Schneider	Developing a Reinforcement Learning-Drift Diffusion Model for Probabilistic Decision Making. A Simulation Study
Timo Seitz	"How would you fake?": Disentangling qualitatively different faking tendencies through mixture IRT modeling
Lisette Sibbald	Identifying Predictive Risk Factors of Postpartum Depression: A Machine Learning Approach
Tian Zhou	Modeling Fall Risk of Older Adults: Cognitive-Motor Interference and Aging

Venue

The meeting will take place in Mannheim Palace ("Schloss"), Ostflügel (abbreviation O):

Foyer O138 – Arrival, Breaks

O138 – Oral Presentations
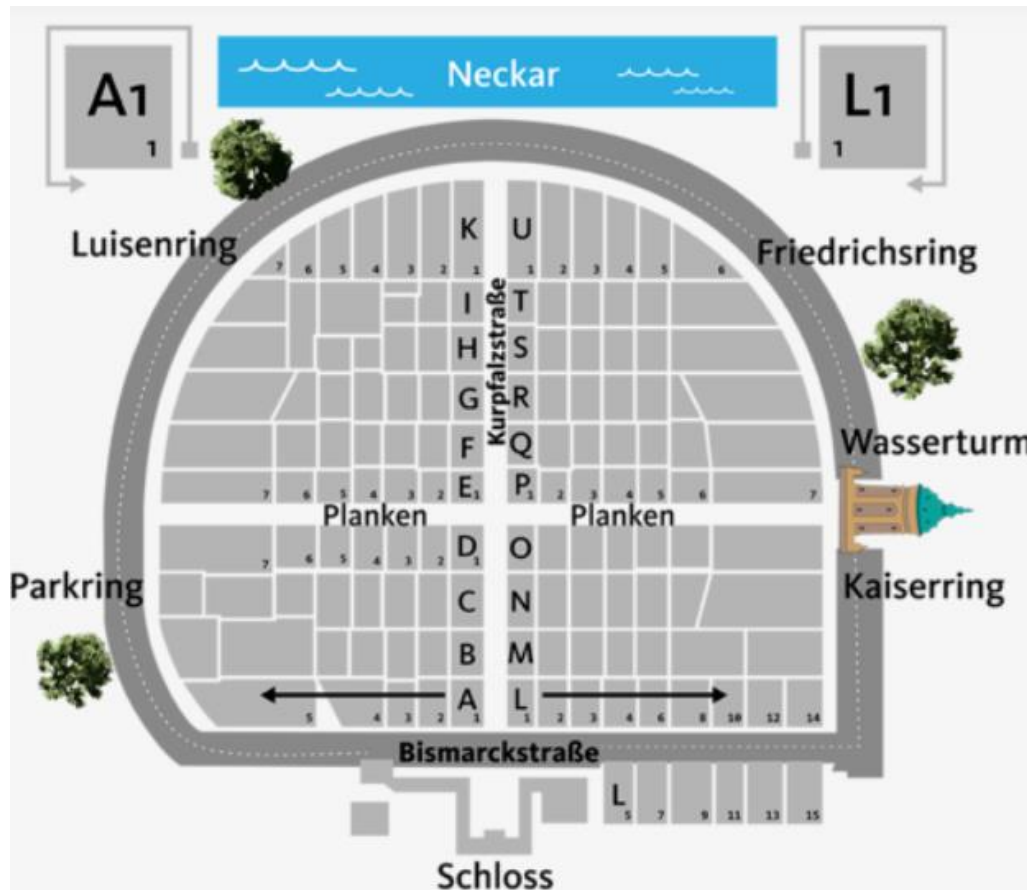

"Katakomben" O001 – Poster Session

Location

The meeting takes place in the historic Baroque Palace in Mannheim, close to the River Rhine and to the River Neckar, and in the vicinity of Ludwigshafen and Heidelberg. Mannheim is famous for its inner city, consisting of squares (*https://www.visit-mannheim.de/en/city-of-squares*)

The easiest way to get a sense of the place is to turn your back on the Baroque Palace ("Schloss") and look towards the River Neckar. The Kurpfalzstraße ploughs through the blocks of buildings from the palace to the bridge "Kurpfalzbrücke". To the left of this street are the rows A to K, to the right, rows L to U. To ensure that order is maintained, each block also has its own number - starting at 1 for the respective square, counting from the Kurpfalzstraße outwards.

Please find below some weblinks of hotels nearby the meeting venue:

https://hrewards.com/de/intercityhotel-mannheim

https://www.novum-hotels.com/hotel-mannheim-city

https://hotel-mannheim.dorint.com/en/

https://parkhotel-1901.de/index.html

https://www.sytehotel.de/

https://www.premierinn.com/de/de/hotels/deutschland/baden-wuerttemberg/mannheim/mannheim-city-centre.html