JUSTUS-LIEBIG-UNIVERSITÄT GIESSEN

Philipps Universität Marburg

TECHNISCHE UNIVERSITÄT DARMSTADT

The Adaptive Mind - General Meeting
Mon 26 – Tue 27 June, 2023
Rauischholzhausen Castle
Schlosspark 1, 35085 Ebsdorfergrund

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Monday, June 26th

Time	
9:*00*	*Coffee and Arrival*
9:50	**Welcome note**

Talk session 1: Adaptivity in Special Populations
Chair: Laura Faßbender

10:00	Stefan Hofmann: *Process-based therapy*
10:30	Winfried Rief: *DYNAMIC*
11:00	*Coffee break*

Talk session 2: Adaptivity in Machines
Chair: Sanjeev Nara

11:30	Gemma Roig: On a*ligning brain and machine representations*

12:00 Georgia Chalvatzaki: *Towards Robotic Embodied Intelligence*

12:30 *Lunch*

13:30 **Individual project meetings** / **Meeting of the directorate**

15:00 **Poster session I** *(odd numbers)* and *Coffee*

16:30 **Poster session II** *(even numbers)*

18:00 *Election Young Pro Representatives*

18:30 *Dinner*

Keynote lecture
Chair: Katja Fiehler

20:00 Nikolaus Troje: *The sense of place*

21:00 *Evening*

Tuesday, June 27th

Time

Talk session 3: Modeling Adaptivity
Chair: Kai Streiling

9:00 Hamidreza Jamalabadi: *Control theory of (mal)adaptive mind and behavior*

9:30 Katharina Dobs: *Face perception in humans and machines*

10:00 Coffee Break

10:30 Angela Yu: *Exploring & adapting to a changing environment: individual differences in intrinsic motivations*

11:00 **Individual project meetings**

12:30 Lunch

Talk session 4: Adaptivity in Perception
Chair: Hua-Chun Sun

14:00 Tom Wallis: *The perception of causality*

14:30 Melissa Võ: *Learning scene grammar*

15:00 Coffee Break

15:30 Martin Hebart: *The role of stimulus, task, and context in human object representations*

16:00 Closing and Departure

Posters

1. Abir Chowdhury: *Understanding how humans toss juggle and exploiting the knowledge to train robots to juggle*
2. Alap Kshirsagar: *Characterizing fear-induced adaptation of balance by inverse reinforcement learning*
3. Alexander Kreß: *Correlates of sensory prediction of self-motion in primates*
4. Anna Lena Eckert: *Modeling sensory suppression*
5. Anna Schröger: *Eye movements adapted to task demands in pong game*
6. Benedikt Kretzmeyer: *Sensorimotor learning while navigating virtual environments*
7. Bianca van Kemenade: *Stimulus visibility modulates the effect of action on perception*
8. Britta Hinneberg: *On the modulation of human motor learning by predictive reward and punishment*
9. Christina Schmitter: *Neural correlates of sensorimotor and inter-sensory temporal recalibration*
10. Daniel Kaiser: *EEG decoding reveals neural predictions for naturalistic material behaviors*
11. Danilo Kuhn: *Action planning and visual selection in multiple-object selection*
12. Francisco López-Guzmán: *Eye-hand coordination develops from multimodal compression of vision and proprioception*
13. Frank Bremmer: *Retinal optic flow in freely moving non-human primates*
14. Harun Ar Rashid: *Reduced neural activation during preparation of self-induced hand movement in schizophrenia*
15. Hua-Chun Sun: *The representation of diverse visual material properties in the human brain*
16. Jan Tünnermann: *Relational templates in visual foraging*
17. Johannes Falck & Yee Lee Shing: *Cognitive adaptation in clinical and typically developing groups during childhood and adolescence*
18. Kai Streiling: *Modelling a sense of agency*
19. Laura Faßbender: *Internal model formation in infants and children*
20. Lina Eicke-Kanani: *The perception of causality*
21. Lisa Lin: *Taking a hands-on approach: Active explorations in visual material perception*
22. Lukas Kirchner: *Social approach behavior in depression: Validation of a new task using facial expressions*
23. Mathias Hegele: *Gaze behavior in Skittles*
24. Ortrun Brand: *TAM Data Hub*
25. Rozana Ovsepian: *Transfer of reafference signal adaptation across smooth pursuit speeds*
26. Yifei He, Tilo Kircher & Benjamin Straube: *Encoding of action's sensory outcome before movement in pre-motor potentials and multivariate pattern analysis: an EEG study*