

**Session 5.3 Information processing |  
Session 5.4 Operation and evaluation**

Time: Thursday, 07.09.2023

Location: Humboldtbaubau, Lecture Room HU-HS

**Chairman: S. Husung (D-Ilmenau)**

9:00 a.m.	F. Ortmeier (D-Magdeburg)
Productive teaming – challenges from the view of trust and safety	
9:20 a.m.	F. Legler, A. Dettmann, P. Klimant, A.C. Bullinger (D-Chemnitz)
Ergonomic engineering of appropriate levels of trust	
9:40 a.m.	A. Hasse, L.F. Campanile (D-Chemnitz), S. Husung (D-Ilmenau)
An AI-driven design method as basis for teaming in design	
10:00 a.m.	M. Kessler, O. Antons (D-Magdeburg)
Designing hybrid intelligence: understanding the impact of human decision-making on AI	
<b>10:20 - 10:40 a.m. Coffee break and Visits of Expositions</b>	
10:40 a.m.	L. Chuang (D-Chemnitz), A. Raake, W. Broll, E. Domahidi (D-Ilmenau), A. Wendemuth (D-Magdeburg)
Cross-timescale experience evaluation framework for productive teaming	
11:00 a.m.	T. Hempel, A. Al-Hamadi (D-Magdeburg)
On contextual perception of workers in complex production environments	
<b>Elevator Pitches</b>	
<b>Sessions 5.1   5.2   5.3   5.4</b>	
11:20 a.m.	S. Polley, J. Höbel-Müller, A. Nürnberger (D-Magdeburg)
Can you explain if our team is effectively collaborating?	
11:25 a.m.	D. Armbruster, S. Brandenburg, B. Meyer, L. Puricelli, A. Ragni (D-Chemnitz), S. Husung (D-Ilmenau), A. Wendemuth (D-Magdeburg)



Going one step further: Towards cognitively enhanced problem-solving teaming agents

11:30 a.m. | R.B. Mendes, E. C. Bellini, L.C. Canno, H.A. Lepikson (BR-Salvador)

Empowering wireless sensor networks with ultra-low power wake-up radio technology with high-band ultrasonic waves and smart IOT-protocol

11:35 a.m. | L. Treybig, S. Werner (D-Ilmenau), J. Höbel-Müller (D-Magdeburg)

Acoustic inter- and intra-room similarity based on room acoustic parameters

11:40 a.m. | R. Altschaffel, J. Dittmann (D-Magdeburg), D. Scheliga, M. Seeland, P. Mäder (D-Ilmenau)

Model-based data generation for the evaluation of functional reliability and resilience of distributed machine learning systems against abnormal cases

11:45 a.m. | V. Krug, M. Ebrahimzadeh, S. Stober (D-Magdeburg)

XAI for building a foundation of trust in productive teams

**12:00 noon – 1:30 p.m. Lunch and Visits of Expositions**

**12:00 noon – 1:30 p.m. Poster Session**

