

**Session 5.1 Joint cognition |
Session 5.2 Measurement and information collection**

Time: Thursday, 07.09.2023

Location: Humboldtbaue, HU-HS

Chairman: M. Ragni (D-Chemnitz)

1:30 p.m.	M. Spiliopoulou, C. Beyer, A. Rother, B. Noack, J. Arlinghaus, (D-Magdeburg), J. Reißmann, A. Hasse, M. Ragni (D-Chemnitz) G. Notni, Ch. Zhang (D-Ilmenau)
Human uncertainty in interaction with a machine: establishing a reference dataset	
1:50 p.m.	C. Junger, G. Notni (D-Ilmenau)
Investigations of closed source registration method of depth sensor technologies for human-robot collaboration	
2:10 p.m.	M. Milosevic, A. Cvetkovic, N. Tomic, E. Petrovic (RS-Nis)
Outage minimization of energy-harvesting wireless sensor network supported by UAV	
2:30 p.m.	B. Atitallah, R. Barioul, O. Kanoun (D-Chemnitz), T. Kissinger (D-Ilmenau)
Synergy of nanocomposite force myography and optical fiber-based wrist angle sensing for ambiguous sign classification	
2:50 – 3:10 p.m. Coffee break and Visits of Expositions	
3:10 p.m.	B. Noack (D-Magdeburg), F. Röhrbein (D-Chemnitz), G. Notni (D-Ilmenau)
Event-based sensor fusion in human-machine teaming	
3:30 p.m.	T. Mossakowski, F. Neuhaus (D-Magdeburg), M. Hedblom (SE-Jönköping)
Using the diagrammatic image schema language for joint human-machine cognition	



3:50 p.m.	S. Prokhorenko, A. Stadnyk, M. Prokhorenko, T. Bubela (UA-Lviv), M. Moroz (UA-Rivne)
AI-Driven human motion correction and enhancement system with additional manual kinesthetic skill rehabilitation trends	
End of Session	

