



**Speaker Information**

<p>HYBRID SOCIETIES: HUMANS INTERACTING WITH EMBODIED TECHNOLOGIES – BRIEFLY PLACING THE WORKSHOP IN CONTEXT</p>	
<p>Prof. Dr. Georg Jahn</p>	
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<p>This workshop is organized as part of the research and networking activities within the CRC 1410 Hybrid Societies that has been established 2020 with funding by the German Research Foundation (DFG). The CRC gathers researchers from psychology and engineering to mathematics and computer science to the social sciences and humanities. In the CRC, we study how humans can efficiently and safely coordinate, for example, with autonomous vehicles and robots that they encounter in public spaces. Virtual reality is employed to simulate such encounters but closer to the workshop topic are research activities on spatial orientation and spatial presence in virtual and synthetic environments. Autonomously acting embodied technologies can temporarily or partly be monitored, directed, or operated remotely by humans. Such scenarios involve challenges of spatial orientation because of, for example, limited sensory feedback for spatial updating during self-motion in synthetic environments or sudden relocation. The demand for sudden spatial orientation can also occur for the real world at take-over requests by highly automated vehicles. In addition to processes of spatial orientation, spatial presence, and spatial updating, we are interested in how virtual or augmented reality can provide support for this and similar challenges of spatial orientation. I am looking forward to the exchange and discussions with and among the multidisciplinary workshop participants and, please, feel invited to visit the CRC in Chemnitz as soon as this is possible again.</p>	

