

Artificial agency and quantum experiment

Thursday, June 20, 2019 9:00 AM (40 minutes)

In the quantum Bayesian formulation of quantum mechanics (QBism), the notion of an agent plays a central role. It is however a primitive notion that remains unresolved within the theory. If one entertains the possibility of automated quantum experiments designed and run by artificial intelligence, the problem of artificial agency gets into the focus. In the talk I will discuss the role and scope of artificial agency and AI for explorative experiment and for quantum foundations.

Presenter: BRIEGEL, Hans (University of Innsbruck)

Session Classification: Quantum Bayesianism and Copenhagen Interpretation