Eric MSP Veith

Eric is scientific director at OFFIS – Institute for Information Technology in Oldenburg, Germany. He was previously receiver of the Methods of AI Junior Research Group funding of the German federal ministry of Research, Technology, and Space (BMFTR) and head of research group *Adversarial Resilience Learning* at Carl von Ossietzky University, Oldenburg, Germany. Previously, he managed the research group Power Systems Intelligence at OFFIS – Institute for Information Technology. Eric received its PhD in computer science from the Freiberg University of Mining and Technology in Freiberg, Germany.

Eric's research interest lies in the advancement of a methodology for reliable learning agents for critical infrastructure, which is called Adversarial Resilience Learning. This encompasses research in neuroevolutionary deep reinforcement learning for continual learning, explainable reinforcement learning, as well as combining rules-based/model-based agent design paradigms with a learning component, while still being able to give gurantees for a safe deployment in critical infrastructures, such as the power grid. The agent design he develops together with the members of his research group find their application in the context of cybersecurity, market design/analysis, and reliable integration of large portions of distributed renewable energy sources.

In this capacity, he has been contributor to various conferences, such as the ACM e-Energy (where he is also member of the TPC), CD-MAKE, IEEE CoDIT, the European Simulation and Modelling Conference, and others. Eric is member of the German chapter of CIGRÉ, of the Energy Systems of the Future working group on digitalization of acatech/BMWE (E-SYS), of the German BMFTR's Platform for Learning Systems, and the Transatlantic Cyber Forum.

He started his scientific career with a publication at an IARIA conference (EMERGING 2013), and has been contributing to IARIA in various roles since then. Eric has given keynotes at various IARIA conferences, offered tutorials (mostly on ARL and releated topics in the DRL domain), and moderated panels. He is also member of the ENERGY steering committee. Eric is IARIA Fellow.

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