

Dr.-Ing. Jan Ole Berndt

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Since 2008, Dr. Berndt has been developing and applying agent technology in logistics and social simulation. From the beginning he has been inspired by social phenomena for developing technical solutions to complex distributed problems, such as self-organization for multi-agent systems based on social systems theory and its application in container logistics. As a senior researcher, he applies his background knowledge in social theory and agent technology to develop more expressive agent-based social simulation models in interdisciplinary cooperations. His research interests revolve around simulation methodology, agent architectures, and applications in computational social science, namely social media analysis, psychological experimentation, as well as group dynamics.

Dr. Berndt received Diploma degree and PhD from Bremen University, Germany in 2009 and 2015, respectively. From 2009 to 2012, he held a scholarship grant in logistics from Bremen University within the International Graduate School for Dynamics in Logistics. He worked as a teaching assistant and research scientist at Bremen University's Artificial Intelligence Research Group from 2009 to 2015. In 2015, he also worked in industry as a software developer. Since 2016, Dr. Berndt works as a senior researcher at Trier University's Research Group on Business Informatics I.

Throughout his career, Dr. Berndt has published more than 30 articles and book chapters as well as a monograph on "Self-Organizing Multiagent Negotiations" and three edited conference proceedings. He has given numerous talks, chaired various conferences and conference sessions, participated in several panel discussions, and has won three best paper awards. His teaching experiences include ten lectures in agent technology and modeling, simulation, and logistics. He has supervised 17 Bachelor and Master theses as well as six student projects.

Dr. Berndt is a member of the advisory/steering committee of IARIA's International Conference on Human and Social Analytics (HUSO). He has participated in several IARIA conferences since 2016 and has co-edited two IARIA conference proceedings volumes. In addition, he has been invited as panelist, keynote speaker, as well as session chair in that context. His contributions to IARIA conferences and journals won three best paper awards. Dr. Berndt values the open-minded interdisciplinary discussions at IARIA events and will continue to support their organization with his scientific expertise.