

Short Bio: Barbara Hammer is a full Professor for Machine Learning at the Research Cluster of Cognitive Interaction Technologies (CITEC) at Bielefeld University, Germany. She received her Ph.D. in Computer Science in 1999 and her *venia legendi* (permission to teach) in 2003, both from the University of Osnabrueck, Germany, where she was head of an independent research group on the topic 'Learning with Neural Methods on Structured Data'. In 2004, she accepted an offer for a professorship at Clausthal University of Technology, Germany, before moving to Bielefeld in 2010. She has been guest researcher at Universities of Pisa and Padova (Italy), University Paris I (France), University of Birmingham (UK), Rutgers University (USA), CAIR in Bangalore (India), and RU Groningen (The Netherlands), among others. Barbara's research interests cover theory and algorithms in machine learning and neural networks and their application for technical systems and the life sciences, including explainability, learning with in non-stationary environments, nonlinear dimensionality reduction, recursive models and learning with non-standard data, fairness and societal implications of AI. Barbara has been chairing the IEEE CIS Technical Committee on Data Mining and Big Data Analytics, the IEEE CIS Technical Committee on Neural Networks, and the IEEE CIS Distinguished Lecturer Committee. She has been elected as member of the IEEE CIS Administrative Committee and the INNS Board. She is an associate editor of the IEEE Computational Intelligence Magazine, the IEEE TNNLS, and IEEE TPAMI. She is involved in diverse research projects including the DFG TRR318 Constructing Explainability and the ERC Synergy Grant Water-Futures.