

Artificial Intelligence & Machine Learning

November 17-18, 2025 | London, UK



Dr. Dietrich Brandt

Senior Researcher, Cybernetics Lab, RWTH Aachen University, Germany

Can we go on trusting AI?

Looking at AI based communication by employing some kind of global view, there is around us the increasing uncertainty about whether information through technological communication channels are fake and hallucinations - or truth. Furthermore, the frequent bias of this constructed reality is becoming increasingly visible specifically within the so-called Social Media. These media are often the domain of spreading pre-conceived and primary reactions and public positions which are straight fake or lies. They are deliberately created by powerful groups within society or politics. So far, there are no means around to check the truth of such messages. Additionally, there are those video-based personalities who communicate with us like genuine humans but they have been created by AI - and it has become nearly impossible to recognize such virtual reality as such if compared to reality recordings. The final aim of human-human communication is to establish some kind of equality of information and power between the communication partners. In Human-AI communication, however, the technological system remains continuously in power. System control through human intervention means that we have the power to separate systemic lies from truth and facts - but the system has been designed not to grant us this power. Hence, can we in the long run risk to trust AI in similar ways as we as humans have been fundamentally open for trusting each other? Or may we even give up to fundamentally trust each other as humans across society because we all are continuously surrounded by technology which offers more or less fakes and alternative facts and lies?

Biography

Dietrich Brandt holds a PhD in Physics, University of Mainz, Germany. He taught Physics at several German Universities, the University of London and M.I.T. (USA). From 1974 until 2003, he worked as Senior Researcher at the Cybernetics Lab, RWTH Aachen University, Germany. He was then structuring control and automation engineering projects towards AI. From 1993 to 1999, he was chairman of the Committee on Social Impact of Automation, International Federation of Automatic Control IFAC. He has widely published in prestigious journals and contributed to many conferences world-wide, and he has been the author and editor of several books.