

**Invited Speech: Convergence, a brief history of the future of the internet.  
Industry 4.0, Internet of Things and Industrial Internet in context**



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### **About the Speaker**

Mark Mattingley-Scott has a Bachelor of Science with Joint Honours in Computing and Electronics, and a Doctor of Philosophy on the subject of Code Division Multiple Access Local Area Networks from the University of Durham, combined with 30 years experience in the commercial exploitation of technology and research.

As a Principal at IBM he is specialised in the identification, nurturing and development of technological innovation, with a primary focus on Big Data Analytics and Industrie 4.0 for IBM Systems Group. He has developed several new business areas and transferred these into IBM's daily services and solutions business. He is an active member of IBM's worldwide patent assessment team, and the IBM Student Admissions and Supervision program.

He was a member of staff at the University of Frankfurt where he taught Cognitive Science and Media Anthropology, at the University of Applied Sciences in Mannheim where he taught Intercultural Management and IT Management and is currently an Adjunct Professor at the Ludwig-Maximilian's University in Munich where he teaches Analytical Methods. He is a director of the Frankfurt Institute for New Media and a senior member of the IEEE, having founded the German chapter of the Systems, Man and Cybernetics Society. He is a director of the Big Data working group at BITKOM, the German IT and Telecommunication Industry Association.

### **Abstract**

Since the invention of HTML and HTTP in 1989 we have experienced an unprecedented pace of technological and business innovation, with large portions of the world's economy revolving around platforms which were unthinkable 25 years ago. With the development of scalable sensor and actuator networks and the world-wide-ledger together with distributed machine learning and cognitive computing, the major question is what impact will these developments have on humans and human commerce. In my talk I will talk about the major developments and their impact on business and society.