

## Information Systems Foundations 2016 Theorising Digital Innovation

### Keynote Address

9:15am - 10:15am Thursday 15<sup>th</sup> September  
ANU CBE Lecture Theatre 1 – [Building 26C](#)

#### **Blockchain and the Emergence of the Trust-free Economy**

What is accepted as payment has changed over time, and so have the ways in which payments are made. Bitcoin, a cryptographic, blockchain-based computer protocol, represents for some just another currency to release and receive payments. For others to speculate or to diversify into an alternative asset class. The Bitcoin protocol illustrates the first prototype of a cryptographic economic system, which is organized both autonomously and distributive, without any point of central control or single point of failure. The protocol pilots the merger of cryptography and economics, where organizational operations adhere to the intractable institutions set by the protocol. More precisely, it showcased the worldwide first economic system on autopilot, which might not only change the “Nature of the Firm”, but also the nature of economic value creation and development itself, on the foundation of a more and more in-formation systems based economy.

In this presentation, I will discuss current and future blockchain-based research trying to answer the question if we witness the emergence of a global trust-free economic village?

### **Prof. Dr. Roman Beck**



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My research focuses primarily on the role of IT and the changing nature of work on individual and organizational level. More specifically, I am interested in value creation in service sourcing, service management, and service design with a special focus on social media analytics, cryptographic economic systems, and virtualization.

Theoretically, I am interested in institutional logics, organizational mindfulness, and organizational awareness, applying multi-method approaches, including qualitative and quantitative research methods as well as design science. I have an economics background with 15 years of experience in MIS research in e-finance and service science.

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