Social Influences on Information and Communication Technology Innovations

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It has been over twenty years since developments in actor-network theory were first written on paper. Since then, the Information and Communication Technologies (ICT) community has begun to discover the power of using actor-network theory as an explanatory framework for much of its research. This research community has come to an understanding that information systems are, of necessity, socio-technical in nature and require a socio-technical approach to their investigation. Thanks to developments in actor-network theory, researchers can now approach people and technology as one single entity that gives support to social influences on technological innovations.

Social Influences on Information and Communication Technology Innovations discusses in great detail the use of actor-network theory in offering explanations for socio-technical phenomena, focusing greatly on information communication technologies. Implementation and use of information and communication technologies inevitably involves the interactions of both technology and people. This publication facilitates international growth in the body of research investigating the value of using actor-network theory as a means of understanding socio-technical phenomena and technological innovation.

Topics Covered:
- e-Learning
- ICT adoption in rural areas
- Internet-based self-service technology
- Knowledge creation and knowledge transfer
- Online communities
- Programming languages
- Project management
- Social networking
- Strategic implementation of enterprise architecture
- Structuration and Actor Network Theory

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Bonde Dewald (University of Cape Town, South Africa)

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Information Infrastructure:
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