Social and Professional Applications of Actor-Network Theory for Technology Development

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Social and Professional Applications of Actor-Network Theory for Technology Development
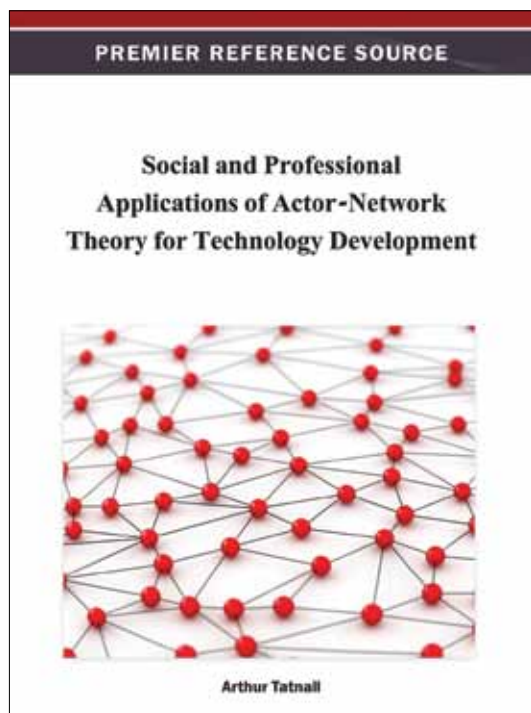
Arthur Tatnall

Arthur Tatnall (Victoria University, Australia)

The latest advances in technology development have been particularly useful to actor-network theory as a structure for much of its research. With a socio-technical approach to the understanding of information systems and applications, the actor-network theory aims to bring support for social influence on technological innovations.

Social and Professional Applications of Actor-Network Theory for Technology Development presents a platform for the approaches and implementations on the actor-network theory and its relationship with technology development. This book provides researchers and practitioners with a better understanding of the usefulness of the social and technical connection.

Topics Covered:

- Actor-Network Theory
- Enterprise Architecture
- Information Communication Technology
- Information Systems
- Socio-Technical Study
- Standardization

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Arthur Tatnall is an Associate Professor in the Graduate School of Business at Victoria University in Melbourne, Australia. In his PhD, he used actor-network theory to investigate adoption of Visual Basic in the curriculum of an Australian university. Arthur's research interests include technological innovation, history of technology, project management, information systems curriculum, information technology in educational management, and electronic business. Much of his research is based on the use of actor-network theory. Arthur is a Fellow of the Australian Computer Society and active in the International Federation for Information Processing (IFIP) as Chair of IFIP WG9.7 – History of Computing, Chair of IFIP WG3.4 – ICT in Professional and Vocational Education and a member of IFIP WG3.7 – Information Technology in Educational Management. He has published widely in journals, books, book chapters, and conference proceedings. He recently edited the *Encyclopaedia of Portal Technology and Applications, and Web Technologies: Concepts, Methodologies, Tools, and Applications* for IGI Global. Arthur is also the Editor-in-Chief of the *International Journal of Actor-Network Theory and Technological Innovation*, Editor-in-Chief of the *Journal of Education and Information Technologies* and Editor of the *Journal of Business Systems, Governance and Ethics*.

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