

An Excellent Addition to Your Library!

Released: June 2014

Technological Advancements and the Impact of Actor-Network Theory

Premier Reference Source

Technological Advancements and the Impact of Actor-Network Theory



Part of the Advances in Human and Social Aspects of Technology Book Series

Arthur Tatnall
(Victoria University, Australia)

Actor-Network Theory (ANT) has existed as a topic of interest among social theorists for decades. Due to the prevalence of technology in modern society, discussions over the influence of actor-network theory on the changing scope of technology can assist in facilitating further research and scientific thought.

Technological Advancements and the Impact of Actor-Network Theory focuses on cross-disciplinary research as well as examples of the use of actor-network theory in a variety of fields, including medicine, education, business, engineering, environmental science, computer science, and social science. This timely publication is well-suited for reference use by academicians, researchers, upper-level students, and theorists.

Topics Covered:

- Digital Communication
- E-health
- Human Interaction
- Information and Communication Technologies
- Online Education
- Online Investing
- Public Service Innovation
- Software Development

ISBN: 9781466661264; © 2014; 320 pp.

Print: US \$195.00 | Perpetual: US \$295.00 | Print + Perpetual: US \$390.00

Market: This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners. Ideal for classroom use.

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 and recently edited the *Encyclopaedia of Portal Technology and Applications, and Web Technologies: Concepts, Methodologies, Tools, and Applications* for IGI Global. Arthur is also 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*.



www.igi-global.com

Publishing Academic Excellence
at the Pace of Technology Since 1988

Chapter 1
The Impact of ICT in Educating Students with Learning Disabilities in Australian Schools:
Tas Adam (Independent Researcher, Australia)
Arthur Tatnall (Victoria University, Australia)

Chapter 2
How an Actor Network Theory (ANT) Analysis Can Help Us to Understand the Personally Controlled Electronic Health Record (PCEHR) in Australia
Imran Muhammad (RMIT University, Australia)
Nilmini Wickramasinghe (RMIT University, Australia)

Chapter 3
Climate Information Use:
Maryam Sharifzadeh (Yasouj University, Iran)
Gholam Hossein Zamani (Shiraz University, Shiraz, Iran)
Ezatollah Karami (Shiraz University, Iran)
Davarr Khalili (Shiraz University, Iran)
Arthur Tatnall (Victoria University, Australia)

Chapter 4
A Fluid Metaphor to Theorize IT Artifacts:
Rennie Naidoo (University of Pretoria, South Africa)
Awie Leonard (University of Pretoria, South Africa)

Chapter 5
How the Rich Lens of ANT Can Help us to Understand the Advantages of Mobile Solutions?
Nilmini Wickramasinghe (RMIT University, Australia)
Arthur Tatnall (Victoria University, Australia)
Steve Goldberg (INET Intl. Inc., Canada)

Chapter 6
Information and Communications Technology Projects and the Associated Risks
Tiko Iyamu (Namibia University of Science and Technology, Namibia)
Petronnell Schlola (Tshwane University of Technology, South Africa)

Chapter 7
Actor-Network Theory:
Noel Carroll (University of Limerick, Ireland)

Chapter 8
E-Health in Australia and Germany
Manuel Zwicker (RMIT University, Australia)
Juergen Seitz (DHBW Heidenheim, Germany)
Nilmini Wickramasinghe (RMIT University, Australia)

Chapter 9
Human Interactions in Software Deployment:
Tefo Sekgweleo (Tshwane University of Technology, South Africa)
Tiko Iyamu (Namibia University of Science and Technology, Namibia)

Chapter 10
School Management Software in Australia and the Issue of Technological Adoption
Bill Davey (RMIT University, Australia)
Arthur Tatnall (Victoria University, Australia)

Chapter 11
Studying DNA:
Andrea Quinlan (Lakehead University, Canada)

Chapter 12
Achieving E-Health Success:
Nilmini Wickramasinghe (RMIT University, Australia)
Arthur Tatnall (Victoria University, Australia)

Chapter 13
Evolving Digital Communication:
Mohini Singh (RMIT University, Australia)
Jayan Kurion (RMIT University, Vietnam)

Chapter 14
Disturbing Practices in Engineering Design Projects
Fernando Abreu Gonçalves (CEG-IST, Portugal)
José Figueiredo (CEG-IST/DEG, Portugal & Technical University of Lisbon, Portugal)

Chapter 15
Web Tools as Actors:
Arthur Adamopoulos (RMIT University, Australia)
Martin Dick (RMIT University, Australia)
Bill Davey (RMIT University, Australia)

Order Your Copy Today!

Name: _____

Organization: _____

Address: _____

City, State, Zip: _____

Country: _____

Tel: _____

Fax: _____

E-mail: _____

Enclosed is check payable to IGI Global in
US Dollars, drawn on a US-based bank

Credit Card Mastercard Visa Am. Express

3 or 4 Digit Security Code: _____

Name on Card: _____

Account #: _____

Expiration Date: _____