Pedro Isaias (Portuguese Open University, Portugal) and Miguel Baptista Nunes (University of Sheffield, UK)

Centered on the impact of information and communication technology in socio-technical environments and its support of human activity systems, the study of information systems remains a distinctive focus in the area of computer science research.

Information Systems Research and Exploring Social Artifacts: Approaches and Methodologies discusses the approaches and methodologies currently being used in the field on information systems. This reference source covers a wide variety of socio-technical aspects of the design of IS artifacts as well as the study of their use. This book aims to be useful for researchers, scholars and students interested in expanding their knowledge on the assortment of research on information systems.

Topics Covered:
- E-Commerce
- Grounded Theory
- Higher Education Technology
- Information Systems
- Mixed-Method Approaches
- Online Ethnography
- Socio-Technology
Section 1: Positivist and Deductive Approaches

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Online Survey
Issa Tomayess (Curtin University, Australia)

Chapter 2
eCommerce Trust Beliefs
Connolly Regina (Dublin City University, Ireland)

Chapter 3
Subject Recommended Samples
Isaías Pedro (Universidade Aberta, Portugal)
Pífano Sara (Universidade Aberta, Portugal)
Miranda Paula (Polytechnic Institute of Setúbal, Portugal)

Chapter 4
Practically Applying the Technology Acceptance Model in Information Systems Research
Mojtahed Reza (The University of Sheffield, UK)
Peng Guo Chao (The University of Sheffield, UK)

Chapter 5
Designing Personalised Learning Resources for Disabled Students Using an Ontology-Driven Community of Agents
Nganj Julius T. (University of Hull, UK)
Brayshaw Mike (University of Hull, UK)

Chapter 6
Taxonomy of IT Intangible Assets for Public Administration Based on the Electronic Government Maturity Model in Uruguay
Garbarino Helena (Universidad ORT Uruguay, Uruguay)
Delgado Bruno (Universidad ORT Uruguay, Uruguay)
Carrillo José (Universidad Politécnica de Madrid, Spain)

Section 2: Interpretivist and Social Constructivist Approaches

Chapter 7
Online Ethnographies
Isomäki Hannakaisa (University of Jyväskylä, Finland)
Silvennoinen Johanna (University of Jyväskylä, Finland)

Chapter 8
Grounded Theory in Practice
Martino Jorge Tiago (The University of Sheffield, UK)
Nunes Miguel Baptista (The University of Sheffield, UK)
Alajamy Maram (The University of Sheffield, UK)
Zhou Eihong (Wuhan University, China)

Chapter 9
Creating Interpretive Spaces for Engaged Scholarship
Costello Gabriel J. (Galway-Mayo Institute of Technology, Ireland)
Donnellan Brian (National University of Ireland – Maynooth, Ireland)

Chapter 10
Exploring Higher Education Students’ Technological Identities using Critical Discourse Analysis
Brown Cheryl (University of Cape Town, South Africa)
Hart Mike (University of Cape Town, South Africa)

Section 3: Case Study Approaches

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The Role of Case-Based Research in Information Technology and Systems
Blake Roger (University of Massachusetts, USA)
Gordon Steven (Babson College, USA)
Shankaranarayanan G. (Babson College, USA)

Chapter 12
Mapping Participatory Design Methods to the Cognitive Process of Creativity to Facilitate Requirements Engineering
Salmon Nicky (Centre for User Experience Research (CUO), Belgium)
Derboven Jan (Centre for User Experience Research (CUO), Belgium)
Perez Maribel Montero (ITEC – Interdisciplinary Research on Technology, Education, and Communication, Belgium)

Section 4: Mixed-Methods Approaches

Chapter 13
Combining Research Paradigms to Improve Poor Student Performance
Goede Roelien (North-West University – Vaal Campus, South Africa)
Taylor Essikile (North-West University – Potchefstroom Campus, South Africa)
van Aardt Christoffel (Vaal University of Technology, South Africa)

Chapter 14
Experiences in Applying Mixed-Methods Approach in Information Systems Research
Peng Guo Chao (University of Sheffield, UK)
Annansingh Fenio (University of Plymouth, UK)

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Examining Web 2.0 E-Learning Tools
Holland Janet (Emporia State University, USA)
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Luján-Mora Sergio (University of Alicante, Spain)
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Section 5: Evaluation Research Approaches

Chapter 17
Information Systems Evaluation
Chen Si (University of Sheffield, UK)
Osman Nor Mardziah (University of Sheffield, UK)
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Chapter 18
Supporting Unskilled People in Manual Tasks through Haptic-Based Guidance
Covarrubias Mario (Politecnico di Milano, Italy)
Bordignon Monica (Politecnico di Milano, Italy)
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Gatti Eila (Politecnico di Milano, Italy)

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Integrated Methods for a User-Adapted Usability Evaluation
Shirogane Junko (Tokyo Woman’s Christian University, Japan)
Yoshita Yasuko (Waseda University, Japan)
Isawa Hajime (Katagawa Institute of Technology, Japan)
Fukazawa Yoshiaki (Waseda University, Japan)

Chapter 20
A Protocol for Evaluating Mobile Applications
Martin Clare (Oxford Brookes University, UK)
Flood Derek (Dundalk Institute of Technology, Ireland)
Harrison Rachel (Oxford Brookes University, UK)
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