

## CALL FOR PAPERS

# Information Systems Foundations: Theorising Digital Innovation

15-16 September, 2016

National Centre for Information Systems Research (NCISR)  
Research School of Management  
The Australian National University

### Introduction

Information Systems is still a relatively young field of study that, perhaps uniquely, deals with a juxtaposition of technology, in the form of computing and communication technology artefacts, and the humans and organizations that design, implement and use systems built with that technology. This characterization, combined with the fact that computing and communication technology continues to change and advance in functionality and potential at bewildering speed, makes the task of developing useful, robust and relevant theory in the information systems discipline a challenge of daunting proportions. It may, indeed, be argued that such theoretical foundations as exist in information systems are weak, diffuse and poorly integrated. Accordingly, the aim of the Information Systems Foundations workshops is to provide an opportunity for those with an interest in the foundations of their discipline to discuss, debate and hopefully contribute to improving those foundations.

### The 2016 Workshop

The 2016 workshop will be the ninth in a series, begun in 1999 by Kit Dampney at Macquarie University and continued biennially from 2002 at the ANU, focussing on the theoretical foundations of the discipline of information systems. Previous workshops have generally been regarded by the attendees as great successes since they have combined not only interesting and thought provoking papers that have, in a number of instances, gone on to be published in highly regarded journal outlets, but also stimulating discussions together with highly enjoyable social programmes to complement the more formal part of the gatherings. Proceedings of early ANU workshops are still available (see the ANU Press website <http://press.anu.edu.au/?s=Information+Systems+Foundations>). We anticipate that the 2016 workshop in the Information Systems Foundations series will not only uphold the standard achieved in prior gatherings but also build on the strengths of previous meetings, resulting in an even better, more stimulating and rewarding experience for all involved.

High quality papers that have not been previously published and are not under consideration for publication or presentation elsewhere are solicited for presentation at the 2016 Workshop. Submitted papers will undergo a double-blind review process, with at least two independent reviewers per paper. Accepted papers will be published in the Workshop Proceedings on the NCISR web site, with the authors' permission, as an abstract or in full.

Selected papers will be considered for a themed issue of the *Australasian Journal of Information Systems* by arrangement with the Editor-in-Chief, Dr John Lamp:  
<http://journal.acs.org.au/index.php/ajis/>. Two papers from the 2014 Workshop are at:  
<http://journal.acs.org.au/index.php/ajis/announcement/view/40>

## Workshop Theme

As with the previous Workshops, the focus of this Workshop is on the theoretical foundations of information systems. In particular, for this 2016 Information Systems Foundations Workshop we are looking for papers that focus on innovation with digital technologies, which are seen as radically changing the nature of innovation (see Yoo, Henfridsson and Lyytinen 2010; Yoo, Boland, Lyytinen and Majchrzak 2012).

## Suggested Topics

Suggested topics for the Workshop are (but are not intended to be limited to):

- Theories of digital innovation, including that of generativity
- Conceptualisation of digital innovation versus traditional innovation
- Digital infrastructures as a category of IT artefact
- Technologies driving digital innovation: e.g. social media, IoT, big data
- The importance of digital technology platforms
- Creation and management of corporate digital infrastructures
- Digital experience
- Designing generative platforms, platform-based ecosystems, markets
- Participation and sharing, including crowdsourcing
- The impact of IT innovations on work and workplace design
- Organizational and individual appropriation of digital innovations
- Digital innovation in the academic discipline of IS: research, teaching and learning.

The main requirement for a paper to be acceptable for the Workshop is that it addresses clearly some theoretical body or bodies of knowledge in the information systems or a related domain. In addition, papers should indicate, where appropriate, the implications for practice of the theory or theories under consideration.

Papers that are carefully argued, stimulating and (especially) speculative and controversial, and that are likely to encourage lively discussion and debate are especially encouraged.

## Important Dates

Paper submission date (full paper):	17 June, 2016
Notification of acceptance/rejection:	22 July, 2016
Final papers due:	27 August, 2016

## Submission Requirements

Papers are to be submitted electronically to: [infsys-foundations@anu.edu.au](mailto:infsys-foundations@anu.edu.au)

Style requirements are specified on the workshop web site. Submitted papers *must* use and adhere to the paper template provided on the website.

## Other Details

Submission of a paper implies that, if it is accepted, at least one author will register for the workshop and present the paper at the workshop.

Papers accepted for presentation will be published in the Workshop Proceedings on the NCISR web site, either as abstracts or in full. Copyright arrangements will be similar to those of the Australasian Conference on Information Systems. That is, the authors assign to the Workshop organizers a non-exclusive license to use the paper in the Proceedings on the Workshop web site. For further queries, email [infsys-foundations@anu.edu.au](mailto:infsys-foundations@anu.edu.au).

Workshop web site: <https://www.rsm.anu.edu.au/research-school-of-management/research/ncisr/isf-2016-workshop/>

Further details will be added progressively to this web site.

### **Program Chairs**

John Campbell	Australian National University
Shirley Gregor	Australian National University
Erwin Fiel	Queensland University of Technology

### **Organizing Chair**

Alex Richardson	Australian National University
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### **Program Committee (agreement to be obtained)**

Roman Beck	IT University of Copenhagen, Denmark
Andrew Burton-Jones	University of Queensland
Jacob Cybulski	Deakin University
Walter Fernandez	University of New South Wales
Albrecht Fritzsche	University of Erlangen-Neuremberg, Germany
Guy Gable	Queensland University of Technology
Sigi Goode	Australian National University
Peter Green	Queensland University of Technology
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Dirk Hovorka	University of Sydney
Ahmed Imran	University of New South Wales (ADFA)
Aleck Lin	National Dong-Hwa University, Taiwan
Olivera Marjanovic	University of Sydney
Nigel Martin	Australian National University
Benjamin Mueller	University of Groningen, Netherlands
Craig McDonald	University of Canberra
Alexander Maedche	Karlsruhe Institute of Technology, Germany
Kai Riemer	University of Sydney
Graeme Shanks	University of Melbourne
Mary Tate	University of Wellington, New Zealand
Marta Undulska	University of Queensland

### **References**

Yoo, Y., Henfridsson, O. and Lyytinen, K. 2010. The new organizing logic of digital innovation: An agenda for information systems research, *Information Systems Research*, 21, 4, 724-735.

Yoo, Y., Boland, R., Lyytinen, K. and Majchrzak, A. 2012. Organizing for innovation in the digital world, *Organization Science*, 23, 5, 1398-1408.