

Title of the Track

DIGITAL ECOSYSTEMS: CHALLENGES AND OPPORTUNITIES

Short Description

The widespread presence of ubiquitous media systems - e.g. smartphones, tablets, “phablets”, and smartwatches and smart TVs - (Carillo et al. 2017) allied with the rapid development of smart, connected products and services (commonly referred as Internet of things IoT) is creating a new wave of disruption across industries that is transforming the way people and businesses interact and behave (Porter & Heppelmann, 2014; Ives et. al. 2016). With sophisticated consumer solutions such as smart home security systems, and B2B applications such as remote control and management of infrastructure, information technology is rapidly becoming omnipresent and incorporated into products and services that previously were mechanical, analogue or static. According to the OECD (2012), by 2020 over 50 billion of potentially interconnected devices are estimated to populate the ‘infosphere’ (Floridi, 2010). Interconnected products and services together with the data they produce, analytic tools they utilise and additional services they enable, form powerful product systems that create complex Digital Ecosystems such as smart homes, smart cities or smart enterprises (Porter & Heppelmann, 2014, Nielsen 2013; Sorensen 2011; Stafford et al. 2010; Carillo et al. 2017). These new and complex forms of information systems encapsulate various interconnected products and services and depend on fluid information access across a variety of channels.

By gradually blurring organizational, social and temporal boundaries, Digital Ecosystems not only allow businesses to offer new products and services across a multitude of interconnected systems, but also radically transform production, collaboration and cooperation in organizations as well as organizational learning (Za et al. 2014). A growing number of companies have started digital transformation programs in order to seize the opportunity offered by the new Digital Ecosystems (Vargo & Lusch 2008). For users, the choice of a technology or a service may incorporate a choice of an entire digital platform that fits a wider Digital Ecosystem - potentially requiring revision of some traditional parameters of technology adoption. Increasingly, the emergence of fluid and evolving Digital Ecosystems poses important challenges and opportunities for academics and practitioners in order to create a smart, inclusive and sustainable world.

The goal of this track is to provide a forum to discuss the challenges and opportunities of Digital Ecosystems for IS research. Authors are encouraged to submit research in progress as well as complete full papers presenting empirical and conceptual contributions to advance knowledge in the field of Digital Ecosystems. Topics of interest include, but are not limited to, the following:

- Implications of digital ecosystems in relation to individual behavior and social interactions
- The adoption of digital ecosystems at individual and/or group levels
- New forms of learning (formal and informal), training and assessment models fostered by digital ecosystems
- Consumer behavior in digital ecosystems

- Development and use of applications, artifacts and services supported by digital ecosystems
- The digital transformation of organizations: the role of new digital ecosystems in the organizational context
- New business models or strategies relying on digital ecosystems (e.g. from products to services, omni-channel strategies merging electronic and mobile commerce)
- How organizations leverage co-production and co-creation in designing and delivering ubiquitous digital services
- Organizational, social, and ethical issues arising with new digital ecosystems.
- Privacy and confidentiality issues of digital ecosystems

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Publishing Opportunities in Leading Journals

This track has been quite successful at ECIS 2017 attracting 25 quality submissions. We hope to continue the effort of providing a forum for research in Digital Ecosystems. On the basis of the

submissions received it will be possible to arrange a fast track or special issue in one of leading IS journals.

Track Co-Chairs

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	Short Biography	Eusebio Scornavacca is Parsons Professor of Digital Innovation at University of Baltimore. He also holds the J. & M. Thompson Professorship in Management Information Systems and Dean James Chair for distinguished teaching at the Merrick School of Business. Prior to joining UB, Professor Scornavacca was a faculty member and director of research at the School of Information Management, Victoria University of Wellington in New Zealand. He has also held academic positions in Japan, Italy, France and Brazil. His research interests include mobile and ubiquitous information systems and disruptive ICT innovation. During the past 15 years he has conducted qualitative and quantitative research in a wide range of industries, including research sponsored by the private sector. Professor Scornavacca's research has appeared in journals such as the Journal of Information Technology, Information and Management, Communications of the ACM, Decision Support Systems, Communications of the AIS and the Journal of Computer Information Systems. He has served as track chair at conferences such as ICIS, ECIS, PACIS, AMCIS, ACIS, HICSS and Conf-IRM.
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	Short Biography	Stefano Za is Adjunct Professor and Research Fellow at LUISS Guido Carli University, Italy and Visiting Professor at EM Strasbourg Business School. He was Assistant Professor of Organizational Studies and Information Systems at E-Campus University until April 2017. He has been Secretary of the Italian chapter of the AIS and program committee member of the ITAIS conferences since 2008. Stefano has been a member of program committees and reviewer for national and international conferences in the domains of Information Systems and Organization Studies, such as ICIS and AMCIS as

ECIS 2018 TRACK 09

"BEYOND DIGITIZATION - FACETS OF SOCIO-TECHNICAL CHANGE", 23RD -28TH, JUNE, 2018, IN UNIVERSITY OF PORTSMOUTH, UK, FOR THE 26TH EUROPEAN CONFERENCE ON INFORMATION SYSTEMS

		reviewer or Associate Editor, and ECIS and EURAM as track chair. His current research interests include the analysis of the link between digital platforms and individuals and groups behavior, in order to draw new governance models. He has published on international conferences, journals, and book series, such as ICIS, ECIS, Information & Management, Journal of Theoretical and Applied Electronic Commerce Research, British Journal of Educational Technology, International Journal of Innovation and Learning, LNBIP and LNISO Springer series.
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	Short Biography	Niina Mallat is a Postdoctoral Researcher in Information Systems Science at the Department of Information and Service Economy of Aalto University School of Business. Her current research interests include technology adoption and use of autonomous vehicles, smart mobile services and digital ecosystems. Her work on mobile payments and services adoption has appeared in several academic journals including Information and Management, Electronic Commerce Research and Applications, Journal of Strategic Information Systems and Communications of the ACM.

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