



Pacific Asia Journal of the Association for Information Systems

Call for Papers

Special Issue of Pacific Asia Journal of the AIS

Theme: “Artificial Intelligence-based digital transformation for sustainable societies: the prevailing effect of COVID-19 crises”

Guest editors

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Background

Digital transformation (DT) is becoming a necessity for enterprises in different industries all over the world. The necessity for DT turned out to be inevitable with the coronavirus (COVID-19) outbreak. On March 2020, the World Health Organization (WHO) announced the COVID-19 as global pandemic that caused thousands of deaths and brought the world to a standstill with huge economic burden (World Health Organization, 2020). This pandemic accelerated the need for organizations to transform using extensive digitization in response to the unprecedented change (Morgan, 2020). However, significant obstacles still encounter these organizations when it comes to recommending the necessary changes to make the digital leap. In today's artificial intelligence age, digital transformation has enormous impact across societies (Nambisan, 2019; Babu, & Justin, 2020; Majchrzak, Markus, Wareham, 2016); organizations need to realize that both digital transformation and artificial intelligence have to go hand in hand to help achieve prosperous digital transformation (Wuest et al., 2020). Therefore, becoming a digital enterprise is much more than investing in latest digital technologies. It is about adopting artificial intelligence to support the business strategy (Joda et al. 2020), searching for new business models (Kotarba, 2018), rethinking the operating models (World Economic Forum, 2018), revamping how to attract and foster digital talent, and considering afresh how to embed the social impact in the measure of the success of the business.

At the heart of the Fourth Industrial Revolution and with the prevailing COVID-19 pandemic, DT is considered one of the main drivers of the socioeconomic development that might generate important improvements in both the social and economic conditions related to individuals, businesses or the whole economy. Technological evolutions of the Fourth Industrial Revolution became part of everyone's lifestyle, from the use of the cloud computing, artificial intelligence, mobility, and the Internet of Things. These technologies are already showing promise in digital transformation to help contain and cope with the challenges magnified by the pandemic.

In this special issue, we invite researchers to contribute to artificial intelligence-based digital transformation research that leads to better information systems for the future". This special issue aims at finding answers to question like: How can you make societies 'better' rather than just 'more efficient' or 'more productive'? How DT will impact employment? With millions of jobs on the cusp of the 5th industrial revolution, how income will be impacted? How DT will impact the socioeconomic development? How DT will foster the development of new organizational concepts? What are the social obstacles of DT and what are the solutions? The objective of this special issue is to collect, process, examine and circulate diverse issues related to the above questions affected by artificial intelligence-based digital transformation.

Topics of Interest

It is important to study topics related to digital transformation strategies, methods, and constructs as well as new theories to support or generate new innovative studies within the domain of artificial intelligence-based digital transformation. The topics broadly cover automated decision-making, data driven analytics, strategic development, operational management, social care, as well as frameworks and supporting infrastructure. Manuscripts that emphasize these from theoretical, empirical, and solution design approaches, using appropriate research methods will be welcome.

Topics of interest include, but are not limited to, the following:

- How digital transformation aligns with corporate social responsibility
- How Digital Transformation can create a more sustainable world
- How digital transformation is revolutionizing economics
- How artificial intelligence is diving in the next wave of digital transformation
- How digital transformation enables big data analytics
- How to accelerate digital transformation with the internet of things
- How to leverage social media for digital transformation
- Digital transformation and sharing economy
- The role of Blockchain in digital transformation
- The role of cloud computing in digital transformation

- The legal aspects of digital transformation
- The impact of digital transformation on the future of higher education
- The impact of Digital Information in industries
- The impact of Digital transformation in social dialogue (employment, working conditions, required tasks at work as well as workers' skills)
- Digital transformation and social development
- Digital transformation of Human Resource Management
- Ethical issues with digital transformation
- The risk of digital transformation on data security/consumer protection

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Important Dates (Tentative schedule)

From Oct 20, 2020 to Feb 28, 2021	Deadline for submission of papers to the Special Issue
May 15, 2021	Authors advised regarding paper acceptance for review
July 30, 2021	The first round of reviews completed and authors advised regarding review outcomes
Aug 30, 2021	Deadline for revised papers
Sep 30, 2021	The second round of reviews completed and authors advised regarding review outcomes
Oct 30, 2021	Deadline for revised papers
Nov 10, 2021	Final editorial decision on papers accepted for the Special Issue
Dec 28, 2021	Special Issue papers submitted to PAJAIS for publications

Original, interesting, and high-quality unpublished contributions not currently under review by any other conferences or journals are sought. Articles from a wide range of disciplines and research based in traditions such as design science research, quantitative, qualitative or mixed approaches. Research that extends existing theories to amplify implications for contemporary theory and practice is particularly welcome.

Accepted manuscripts will go through a rigorous two cycles review process. The initial screening will assess the correctness, originality, significance, quality of presentation, and relevance of the submitted manuscripts. Manuscripts requiring major revisions will be re-assessed strictly according to the publication deadlines.

Authors are kindly instructed to follow the Guide for Authors and submission guidelines for the journal at the journal's website and submissions must be go through the online submission system: <https://mc.manuscriptcentral.com/pajais>

All papers will be peer reviewed and must follow the standard guidelines for manuscript preparation and submission posted on the PAJAIS website (<https://aisel.aisnet.org/pajais/>). Further enquiries about the special issue can be directed to Dr. Abbas Tarhini (Guest Editor) email: abbas.tarhini@lau.edu.lb or Dr. Antoine Harfouche (Guest Editor) email: antoineharfouche@icto.info

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