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ARCHITECTURE FOR DIGITAL TRANSFORMATION TOWARD IS LEADERSHIP EDUCATION: CHALLENGES AND EFFECTIVENESS

PANEL

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Abstract

This panel is related to the education for the practice of IS Leadership roles in Digital Transformation within a given framework of Digital Strategy and Enterprise Architecture. As members of education and collaborative research teams that have been studying and teaching the correct direction of IS leadership roles in Digital Transformation in global enterprises while applying Digital Enterprise Architecture (DEA) Framework – the “Adaptive Integrated Digital Architecture Framework (AIDAF)” with DEA Cube Framework, because the above roles have difficulties and a number of risks especially during Digital Transformation. Thus, the panelists will discuss and debate the theory, practice, and extent of educator’s precise guidance and considerations when performing the aforementioned leadership roles and studying their accurate directions during Digital Transformation. This panel of senior IS educators and researchers with industry experience will discuss the challenges and effectiveness of “Architecture for Digital Transformation Toward IS Leadership Education” for the new era of Digital IT.

Keywords: Digital Transformation, IS Leadership, Enterprise Architecture, Digital Strategy, IS education,

Introduction and Discussion Topics

Many global corporations have gone through enormous changes in response to dynamic economic events bordering on cataclysmic environments, such as the progress of new disruptive technologies, big data, globalization, shifts in customer needs, and new business models these days (Masuda, et al. 2021). Digital Transformation is the key for corporations to align their Digital IT Strategies for leveraging the above-mentioned technology trends. However, for the purpose of coping with the diversity and complexities in global societies and ecosystems, existing leadership talent and skillsets need to be enhanced to new global leadership capabilities needed to drive the digital transformation(Ernest Gundling 2011).

In this panel, we propose and discuss the approach to educate desirable leadership skills and behaviors that can lead successful Digital Transformation. Moreover, since last 2 years, the COVID19 virus has spread in every region in the world and has created the challenge of increasing demand for digitalization. Therefore, this panel will contribute to improved understanding of leadership education demands for rapid digital transformations and help realize digitalization in global enterprises.

The purpose of this panel is to discuss and debate the theory, practice, and extent of educator's considerations when performing leadership roles and studying their directions during Digital Transformation. This interactive panel discussion will critically assess various educational and professional ideas. Experienced and knowledgeable IS researchers and educational practitioners with diverse backgrounds will participate and share their personal experiences and ideas.

Panel structure

For the purpose of providing a multi-stakeholder perspective on these topics, this panel on senior IS educator/practitioner perspectives is part of panels at SIG Education in ICIS2022 that explores the challenges and effectiveness of the "Architecture for Digital Transformation with IS Leadership Education."

Yoshimasa Masuda will chair a panel of senior IS educators and researchers who will discuss the challenges and effectiveness for these IS-related educational practices, the consequent effectiveness for future graduates to get insights for the new era of Digital IT. The panelists and their perspectives are:

- **Stephane Gagnon**
Faculty, Quebec University, Canada
- **Rashmi Jain**
Faculty, Montclair State University, USA
- **Alfred Zimmermann**
Faculty, Reutlingen University, Germany
- **Rainer Schmidt**
Faculty, Munich University, Germany

The chair will start by sharing the need to address the questions by each panelist from the perspective of their global and local situation or academic position drawn from the following items. We will ask the above panelists to comment on the following topics:

- How can the IS Leadership education with DEA address the current digital transformation needs?
- What kind of challenges are being thrown to these education programs to grow the IT strategic leaders and how can they be prepared for this new world after completing the education?
- What kinds of Outcome are expected in Digital Transformation after completing the aforementioned IS Leadership education in an alignment with Digital Enterprise Architecture?
- What kinds of education program are effective for bachelor or master course in the Digital IT era?

Approximately 30% of the time will be allocated for panelist to share their "opening perspectives" on one or more of the above suggested questions. About 35% of the allocated time will be assigned to discussions among experts. For the remaining 35% of the allocated time, we will embrace the functionality offered by an online live panel session platform to actively engage participants in offering commentary. Each panelist will present and discuss necessary topics. As appropriate, after ICIS conference, results of the panel discussion will be posted to share the insights and lessons learned with the broader IS community.

References

Ernest Gundling. 2011., "What is global leadership? 10 Key Behaviors," pp. 127-149.

Masuda, Y. Zimmermann, A. Bass, M. Nakamura, O. Shirasaka, S. Yamamoto, S. 2021, "Adaptive Enterprise Architecture Process for Global Companies in a Digital IT Era." *International Journal of Enterprise Information Systems*. IGI Global. 17(2), pp. 21-43.