

**Special Session on
Trends in digital transformation for fostering distance education, e-learning,
learning analytics, and life-long learning
at
12th World Congress on Information and Communication Technologies
(WICT 2022)
on
World Wide Web
December 15-17, 2022**
<https://www.mirlabs.org/wict22/>

Objectives and Scope

The use of “educational-generated data” and “technologies (EdTech)” to shed light or inform best ways to manage/improve the educational processes has lately been seen as one of the most pertinent ways to achieving quality education. The session organizers believes there is potential opportunities in developing “innovative” methods that can be used not only to extract useful information from the increasingly educational datasets that are being recorded and stored in the databases of the different HEIs, but can be analyzed and transliterated into actionable plans for attaining quality education, or heightening TEL-based (technology-enhanced) education.

This special session will focus on exploring, rethinking, and reimagining different pedagogical practices, case studies, new and emerging technologies that can be exploited to understand the challenges and potential opportunities to use of digital technologies in education/learning. This includes studies that sheds light on the use of “datafied” methods as a constructive part of learning directed towards promotion of quality education and/or lifelong learning opportunities for the concerned stakeholders. We also invite papers that critically looks into state-of-the-art or current trends in digital transformation that pertain the future of education, scalability, sustainability, particularly in anticipation to the post-pandemic education era during which the different educators must have applied changes in the way the courses or curriculum are delivered, e.g., the transition from the face-to-face learning models to remote/virtual/distance learning modes. Research studies that provides a critical insights into future directions of the teachers/students learning and development, as well as, solutions to the present and ever-increasing need for adopting the TEL-based education is also welcomed in this special session.

Subtopics

The topics include, but are not limited to:

- Artificial intelligence and learning analytics methods, algorithms, and models that can be used to foster quality and continuous education
- New and emerging Intelligent tutoring systems and Collaborative learning tools and platforms
- Benefits and challenges with distance education or learning
- Challenges or best ways on how we can better understand, and harness the pedagogical possibilities created by the new and emerging educational technologies.
- Challenges or best ways on how we can use (digital) technologies to make education, not only inclusive and of higher quality, but also as a key enabler of sustainable development and life-long learning
- Challenges or best ways on how digital technologies can be leveraged to provide improved/tailored learning based on the different learning settings and analytics.
- Challenges and best practices, discussions, and questions around digital education and its transformation towards attaining SDG4 goal and targets (which promotes quality education) for the stakeholders
- Challenges and opportunities with digital transformation, educational innovation, digital divide, and outcome-based education or education 4.0

Paper Publications

- Proceedings will be published in Lecture Notes in Networks and Systems, Springer (Indexed in SCOPUS, INSPEC, WTI Frankfurt eG, zbMATH, SCImago)
<https://www.springer.com/series/15179>
- Papers maximum length is 10 pages
- Papers must be formatted according to Springer format (Latex/word) available at:
<https://www.springer.com/de/authors-editors/book-authors-editors/manuscript-preparation/5636#c3324>

Important Dates

Paper submission due: 30 September, 2022

Notification of paper acceptance: 31 October, 2022

Registration and Final manuscript due: 10 November, 2022

Conference: December 15-17, 2022

Special Session Chairs

- Kingsley Okoye, Institute for Future of Education, Tecnologico de Monterrey, Mexico
- Shankru Guggari, Machine Intelligence Research Labs, USA

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- Ajith Abraham, Director, Machine Intelligence Research Labs, USA
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