

Guest Editorial Preface

Special Issue of Revised and Extended Papers From the 2nd International Conference on Digitalization, Innovation and Emerging Technologies

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PART 2

The turn of the millennium is marked by the rapid evolution of digital technologies. The ubiquitous nature of digitization is one of the key forces driving innovation in a broad range of product and service categories. In order to create a forum for researchers from different fields and to establish a preliminary theoretical framework that can guide future scientific research on digital innovations, we organized an international interdisciplinary research conference entitled “International Conference on Digitalization, Innovation and Emerging Technologies (DIGITECH)”, which held on August 1-4, 2019 in Dusseldorf in Germany.

The design of digital technology, which plays a key role in facilitating digital innovation, has three characteristics: the homogenization of digital data, the programmable digital computing architecture, and the self-referential nature of digital technologies. Thus, the main challenges and opportunities for innovation arise mainly from convergence and digital materiality.

First, new research opportunities lie in understanding the different forms and capabilities of ongoing digital convergence. Second, another set of research problem is associated with new entrepreneurial opportunities arising from the integration of digital capabilities into non-digital products and services.

Finally, the increased use of digital tools and the interpenetration of digital and physical materiality into work practices offer new sets of challenges and opportunities that need to be carefully considered. The International conference on Digitalization, Innovation and Emerging Technologies (DIGITECH) was able to bring together researchers, academics, engineers and industry leaders recognized for the interdisciplinary and innovative nature of their work, their contributions to theory and practice, their focus on important and timely topics and the quality of their research.

This special issue of the International Journal of Web-Based Learning and Teaching Technologies (IJWLTT) contains four revised and extended papers from the International Conference on Digitalization, Innovation and Emerging Technologies (DIGITECH).

This well-established lecture series extends the theory, practice of digitalization and innovation in emerging technologies. It responds to the need to stimulate critical debate and research on the theories, approaches, principles, the location of humanity in this wave of digital transformation worldwide.

The papers in this special issue cover a range of aspects of digitalization, from case studies in digital, innovation and emerging technologies, as well as discussions on innovation applied in smart city.

Each of these articles selected for this special issue are the subject of an innovation in the intelligent digital world.

The four papers included in the second part of this special issue are as follows:

- Logistics chain Optimization and scheduling of hospital's pharmacies drugs using genetic algorithm - Morocco case.
- A withdrawal prediction model of at-risk learners based on behavioural indicators.
- The effects of Physical and Mac parameters on the routing by cross layers interaction approach.
- Antecedents of Wallet App Adoption.

Finally, we thank all the authors who participated in the special issue of the IJWLTT "Digitalization, Innovation and Emerging Technologies" chaired by Professor Ms. Moussaid Laila. We would like this wealth of articles will help researchers, scientists, engineers and students to enrich their knowledge and to use it well in digital innovations and emerging technologies.

Laila Moussaid

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