

Towards novel techniques, business models and organizational transformations

Saku J. Mäkinen¹

¹CERN Switzerland/Tampere University, Industrial Management, Finland

*Corresponding author: saku.makinen@tuni.fi

This issue marks the end of the third year in CIJ publishing research note types of manuscripts that prompt readers to some “Oh, that is interesting” exposés. Besides looking into innovative technical solutions, it navigates also to leading organisational transformations through deeply understanding tensions of innovative people, and designing modular brand identity to flexible, non-standard educational program.

This issue presents us again with inquiries into rather interesting topical areas. Besides the normal submissions, some manuscripts are from the spring 2019 Innovation 4 Change program carried out at the Collège des Ingénieurs in collaboration with Politecnico di Torino.

The issue also includes a manuscript from the Summer School (July 7-27, 2019) organized by the Delft University of Technology for multi-disciplinary groups of honors students at CERN IdeaSquare in which impactful societal applications for selected technologies from the ATTRACT program were developed.

The first manuscript deals with organizational change and transforming innovative work inside organisations. Raetzer et al. specifically look into how leaders could use Laloux’s evolutionary paradigms in supporting innovative work in their organisations.

We continue with Giordano et al. looking at resolving the local heat island effect by painting roof-tops with reflective paint. They find that, among other alternatives, this holds some promise on resolving also energy consumption issues.

The third article by Collarin et al. investigates a simple and affordable cooling system and especially looks into how a business model could be built to provide this kind of solution allowing for low-cost distribution.

The fourth manuscript by Faria and Fernandes explores the possibility of building a modular brand identity for an international educational program. The case study involves the Challenge Based Innovation (CBI) program. The results show some interesting opportunities for a design and technology driven community to have internationally coherent messages.

Finally, the fifth manuscript in this issue by El-Kebir et al. explores interdisciplinary collaboration and open innovation in CERN. The exploration finds that in addition to open innovation with external partners also internal cross-disciplinary vital for effective operations and that these aspects are highly regarded and valued in the community.