

MFG4.0 Presentations at the July international conference Knowledge Management in Organisations (KMO2019)

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In the middle of the Finnish summer, the Finnish MFG 4.0 research team of Finland Futures Research Centre contributed to the annual international Knowledge Management in Organisations-conference which this year was held in Zamora, Spain. MFG 4.0-researchers presented two papers, chaired a special session, and acted as part of the conference organising committee.

In July 19, MFG4.0 work package leader Dr. **Jari Kaivo-oja** and researcher **Mikkel Stein Knudsen** (both Finland Futures Research Centre, University of Turku) represented the project at the annual Knowledge Management in Organisations-conference with topics highly relevant for MFG 4.0 research challenges.

The MFG 4.0 presented two papers, one a conceptual paper on Digital Twins and one on a bibliographic study of emerging technologies enabling Manufacturing 4.0.

In addition Dr. Jari Kaivo-oja chaired the special session "Information Systems and Information Science", which focused on business intelligence and block chain challenges.

The Finnish delegates had also special opportunity to meet renowned innovation professor Wim Vanhaverbeke in the KMO conference. Professor Wim Vanhaverbeke, who is one of the most cited open innovation researchers in the world, presented his key note "*Digital technologies and the Governance of Innovation Ecosystems.*"



Dr. Jari Kaivo-oja (UTU, MFG 4.0) with the conference keynote speaker prof. Wim Vanhaverbeke

The KMO 2019 conference program included many interesting special sessions and lectures. Professor of Digital Education in the Faculty of Arts, Cultures and Education (FACE) at the University of Hull **Kevin Burden** lectured about "*Exploring and imaging the future for educational technology.*"

Professor **Patricia Wolf** keynote title was: "*Open knowledge sharing communities - towards a commons based society?*" She works at the WSR for Integrative Innovation Management at the Centre for Integrative Innovation Management, Institute of Marketing and Management, at the Department of Business and Social Sciences of the University of Southern Denmark.

Top learning technologies expert **Demetrios Sampson** lectured about "*Educational Data Analytics for Online Teaching and Learning*". All topics of KMO2019 were very relevant for MFG4.0 research challenges.



Presentation by MFG4.0 Researcher Mikkel Stein Knudsen on Enabling Technologies of Industry 4.0

Conference papers were:

Jari Kaivo-oja, Osmo Kuusi, Mikkel Stein Knudsen & Theresa Lauraeus (2019) Digital Twins Approach and Future Knowledge Management Challenges: Where We Shall Need System Integration, Synergy Analyses and Synergy Measurements?

Mikkel Stein Knudsen, Jari Kaivo-oja & Theresa Lauraeus (2019) Enabling Technologies of Industry 4.0 and Their Global Forerunners: An Empirical Study of the Web of Science Database.

Both contributions were published in high profile series of the Springer, Conference proceedings. Knowledge Management in Organizations, 14th International Conference, KMO 2019, Zamora, Spain, July 15–18, 2019, Proceedings. See [MORE](#)