



Call for Papers

SS10 - People and processes in industrial automation

Organized and Co-Chaired by (sorted by last name)

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❖ **FOCUS.** The automation systems of industry 4.0 are entwined with organizational design and work practices while also being dependent on them for their own efficiency. As Brynjolfsson and McAfee (2016) note, every dollar spent on ICTs requires another 9 dollars be spent on organizational change. Implied in this transformation are newly emerging communities of practice, new job designs, new roles, demands for new skills (social as well as technical) along with changes in the distribution of autonomy and decision making. This special session will trace the drivers and directionality of these changes by focusing on the relationship between people and machines. Further, it will reflect on the design of the implementation processes of new digital solutions in industry and on the work situation for employees.

Brynjolfsson, E., & McAfee, A. (2014). *The second machine age: Work, progress, and prosperity in a time of brilliant technologies*: WW Norton & Company.

❖ **TOPICS**

- ❖ The implementation processes of new digital solutions in industry.
- ❖ Institutionalization of digital work.
- ❖ Consequences of digitization of the production system: implications for the future of work.
- ❖ Leadership in a digital production system.
- ❖ The changing nature of work in an era of digital automation.
- ❖ Division of labour between humans and machines.
- ❖ Workers future competences in an automated factory.
- ❖ Automation as an organizational change process.
- ❖ Ethical aspects of automating.
- ❖ The material and social dimension of automation and the use of new technologies.

❖ **AIM.** The aim of the Special Session is to bring together researchers and practitioners from the industry and academia and provide them with a platform to report on recent advances and developments in emerging areas of social science research on industry 4.0. Several research areas are relevant for studies of people and processes in industrial automation, for example research on: Implementation processes, Operation management practices, Organisational learning and change, Service and business model innovation, and Health management.

❖ **CONFERENCE FORMAT.** The conference will comprise multi-track sessions for regular papers, to present significant and novel research results with a prospect for a tangible impact on the research area and potential implementations, as well as work-in-progress (WiP) and industry practice sessions.

❖ **AUTHOR'S SCHEDULE (2021)**

❖ **Regular and special sessions papers**

Submission deadline May 7
 Acceptance notification June 4
 Deadline for final manuscripts July 14

❖ **Work-in-progress/Industry practice papers**

Submission deadline June 11
 Acceptance notification July 7
 Deadline for final manuscripts July 14

