



# PRO-VE 2025

26th IFIP/SOCOLNET Working Conference on Virtual Enterprises

## Hybrid Human-AI Collaborative Networks

[www.pro-ve.org](http://www.pro-ve.org)

### PRO-VE 2025 Special Session

#### Transition towards Collaborative Organizations 5.0

##### Scope

The CoDEMO EU project is dedicated to developing at the European level, innovation capabilities for 5.0 Organizations in multiple activity sectors, namely industry, healthcare and agri-technology. Capabilities for innovation and transformation towards Organization 5.0 are deeply based on the capacity of collaboration among various actors including companies, innovation centers, vocational training providers, universities and others.

The concept of Organization 5.0 complements 4.0 logics and principles by focusing more on developing a sustainable, human-centric, and resilient businesses. The advanced technologies like artificial intelligence (AI) optimize collaborative relationships within global supply chains. With the help of networked technologies and smart digital ecosystems, Organization 5.0 aims to provide more sustainable means of value creation, better (business) results and advancements in supply chain resiliency.

The objective of this special session is to address the potential of human-AI collaborations to support the progressive transformation of innovation processes, production capabilities or delivery networks and the overall transition towards more collaborative and resilient Organizations 5.0.

The Special Session welcomes *theoretical*, *empirical* as well as *pragmatic contributions* on topics like: collaborative network modalities to support 5.0 innovation & transition; collaboration & communication requirements for and in Organizations 5.0; experimentation of hybrid human-AI collaborative networks supporting 5.0 transition; experimentation and simulation of collaborative networks supporting 5.0 transition; assessment and maturity levels of collaborative capabilities in 5.0 Organizations; role of digitalization and AI capabilities in Organizations 5.0; management of collaborative networks 5.0.

All other contributions that relate to the main field of collaboration in Organization 5.0 are also very much appreciated.

##### Session Organizers

- Prof. Arkadiusz Jurczuk, Bialystok University of Technology, [a.jurczuk@pb.edu.pl](mailto:a.jurczuk@pb.edu.pl)
- Prof. Thomas Süße, Bielefeld University of Applied Science, [thomas.suesse@hsbi.de](mailto:thomas.suesse@hsbi.de)
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##### Topics/ Keywords

- Collaborative networks for 5.0 transition towards human-centricity, sustainability and resilience of Organizations 5.0
- Collaborative innovation & decision-making in sectors like industry, health or agri-food and others
- Digitalization as enabler & booster for the transition towards collaborative networks 5.0
- Hybrid human-machine environments to optimize industry, healthcare or agri-food processes
- Cultural transformation towards 5.0 collaborative culture
- Management of collaborative networks 5.0

##### Submission procedure

Special sessions are included in the main Conference and follow the same reviewing process.

- 1 Mar 2025 - Special session proposal
- 11 Apr 2025 - Abstract submission (optional)
- 9 May 2025 - Full paper submission
- 20 Jun 2025 - Results notification
- 4 Jul 2025 - Camera-ready version
- 27-29 October 2025 - Conference

Acceptance of papers is based on the **full paper** (up to **16** pages). Each paper will be evaluated by three members of the International Program Committee.

When submitting on the web site, you have to indicate the name of the special session.

Submission procedure via Easychair available on: <http://www.pro-ve.org>, with copy by email to the chairs of the special session.

##### Special Session Sponsored by

CoDEMO Eu Project, Erasmus+ Call 2022: Alliances for Innovation <https://codemo-project.eu>