



PRO-VE 2025

26th IFIP/SOCOLNET Working Conference on Virtual Enterprises Hybrid Human-AI Collaborative Networks

PRO-VE 2025 Special Session Human-Robot Collaboration in Future Enterprises

Scope

Enterprises are undergoing a significant transformation, evolving from traditional human-human collaboration toward human-robot enterprises, where robots are not just tools but active participants in workflows. This paradigm shift presents both opportunities and challenges in enterprise dynamics, requiring a redefinition of business models, operational strategies, and governance frameworks. Future enterprises will need to address critical aspects such as collaborative execution, enterprise sustainability, cybersecurity, intellectual property, and the legal and ethical responsibilities of robots as enterprise members. This special session aims to explore the technological, organizational, and socio-economic dimensions of human-robot collaboration in future enterprises. We will discuss cutting-edge solutions and frameworks to ensure the adaptability, resilience, and long-term success of these enterprises, integrating insights from robotics, AI, business strategy, cybersecurity, and legal studies.

Session Organizers

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Topics/ Keywords

- Redefining the role of robots as enterprise employees
- Human-robot collaboration models in industrial and creative sectors
- Leadership, governance, and decision-making in human-robot organizations
- AI-driven robotic collaboration and intelligent automation
- Human-robot teamwork in problem-solving and innovation
- Liability and accountability of robots in business operations
- Ethical challenges and societal impact of robots as enterprise members

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.