



# PRO-VE 2025

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

## PRO-VE 2025 Special Session

### AI-driven collaborative process management

#### Scope

Collaborative processes enable collaboration among diverse stakeholders, allowing multiple groups—people and organisations alike—to pursue shared objectives. Consequently, effective collaborative process management is vital for organisational success in today's volatile, uncertain, complex, and ambiguous (VUCA) environment. Yet conventional process management approaches often prove inadequate in execution contexts marked by rapid change, shifting customer demands, and evolving market conditions. As a result, more innovative strategies are required to increase the agility and adaptability of collaborative processes.

One promising approach is the integration of Artificial Intelligence (AI) into process design and monitoring. By combining AI's predictive analytics and automation capabilities with process management's structured approach, organisations are redefining how teams collaborate, how resources—material, human, and intangible (e.g., knowledge, expertise)—are shared and allocated, and how workflows are managed both reactively and proactively.

This session aims to explore AI's transformative influence on collaborative processes, emphasising key innovations, challenges, and emerging opportunities. We welcome submissions that present theoretical advancements, empirical investigations, or compelling case studies demonstrating how AI-driven tools—such as process mining, machine learning, Large Language Models—can achieve collaborative process agility. By bringing together researchers and practitioners, the session aims to identify tangible solutions and spark fresh insights into building agile collaborative process management for the future.

#### Session Organizers

- Anne-Marie Barthe-Delanoë, Assoc. Prof., IMT Mines Albi, [anne-marie.barthe@mines-albi.fr](mailto:anne-marie.barthe@mines-albi.fr)
- Dominik Bork, Assoc. Prof., TU Wien, [dominik.bork@tuwien.ac.at](mailto:dominik.bork@tuwien.ac.at)
- Lala Aïcha Sarr, PhD student, IMT Mines Albi, [lala.sarr@mines-albi.fr](mailto:lala.sarr@mines-albi.fr)

#### Topics/ Keywords

- Agility
- Artificial Intelligence
- Business Process Management
- Collaborative processes
- VUCA

#### 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 **18** 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.