



PRO-VE 2025

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

PRO-VE 2025 Special Session

Assessment and Configuration of Collaborative Healthcare Networks

Scope

Healthcare systems are facing numerous challenges induced by critic resources for healthcare systems re-inforced during recent crisis, technological and organizational changes (4.0 and 5.0 transitions) and evolution of care needs, with the population aging and the increasing demand for a more personalized medicine. Flexible collaborations among different kind of actors of the healthcare system bring important benefit for the quality of the care pathways and efficiency of the healthcare system. Information Technologies and Artificial Intelligence key two crucial roles: on the one side, they afford operational solutions to transform and improve specific medical tasks along care pathways through new human-machine collaboration modes; on the other side, they are used to build Decision Support Systems to help decision-makers assessing and configuring Collaborative Healthcare Network.

The special session aims at presenting the latest researches in the use of digital technologies (Artificial Intelligence, Digital Twins, Optimisation,...) to support the assessment and configuration of collaborative healthcare networks in various context. The session aims at attracting both theoretical advances and applications on concrete case studies, in the fields of decision-making and assessment for collaborative healthcare networks.

Session Organizers

- Dr. Franck Fontanili, Mines Albi, FR
- Dr. Safa Layeb, Mines Albi, FR
- Dr. Marius Huguet, Mines Saint-Etienne, FR
- Dr. Sondes Hammami, EniCar, TN

Topics/ Keywords

- Human-centered design and Ethical considerations in AI-powered healthcare collaboration
- Artificial Intelligence and Digital technologies to support Healthcare Network design and configuration
- Modelling, simulation and analysis of healthcare collaborative networks
- Digital Twins development and platforms for healthcare networks
- Decision Support Systems for efficient healthcare collaborative networks
- Hybrid Human-AI Collaborative Healthcare Networks
- Collaborative platforms and solutions to support a personalized and adaptable care pathways
- Performance evaluation of care pathways
- Artificial intelligence to increase efficiency of Collaborative healthcare processes

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.