PRO-VE 2023

24rd IFIP/SOCOLNET Working Conference on Virtual Enterprises
Resilient and Responsible Collaborative Networks

PRO-VE 2023 Special Session

Enabling technologies and collaborative systems for heading to Healthcare 5.0

Scope

The improvement and resilience of healthcare industry is a major issue in several countries, especially after the peak of COVID-19 pandemic. Smart and sustainable solutions are now driving a transformative shift in the operations of healthcare actors and the services supporting and enhancing patient's health conditions. Technologies as Internet of Things, Artificial Intelligence, Extended Reality and other smart systems are empowering healthcare value chains with new physical-digital interfaces and higher data collection, analysis, and storage capabilities. To unleash the potential of these technologies, collaborative practices and forward-looking strategic frameworks should be promoted among a plurality of industries - from healthcare providers (e.g., hospitals, rehabilitation centres) to pharma logistics providers and medical products manufacturers to organisations supporting Ambient Assisted Living (AAL) - for the delivery of more accessible and personalized services. In addition, economic and sustainability impacts of healthcare systems should be considered, while ensuring effectiveness, efficiency and resilience of all processes towards care continuity and more integrated healthcare paths.

This Special Session welcomes theoretical contributions and empirical studies that advance our understanding and provide innovative insights on the role of enabling technologies and collaborative systems for Healthcare 5.0, with the evolution to a smart, patient-centred, sustainable and resilient healthcare industry.

Session Organizers

- Daniele Spoladore, National Research Council of Italy, daniele.spoladore@stiima.cnr.it
- Vera Colombo, National Research Council of Italy, vera.colombo@stiima.cnr.it
- Elena Pessot, University of Siena, elena.pessot@unisi.it
- Mariano Alcañiz Raya, Universidad Politecnica Valencia, malcaniz@i3b.upv.es

Topics/ Keywords

- AI-based applications supporting collaborative decision-making in healthcare networks and specific contexts as AAL and AAW
- IoT-based applications supporting collaborative data sharing and connectivity in healthcare services and solutions
- Automation technologies (e.g. cobots) and digital-physical interface technologies (e.g. XR technologies) supporting personnel in delivering healthcare services
- Design, implementation and sustainment of collaborative practices and forward-looking strategic frameworks for specific stakeholders in healthcare industry
- Collaborative systems for enhancing resilience and / or sustainability in healthcare industry

Submission procedure

Special sessions are included in the main Conference and follow the same reviewing process.
Short abstracts submission (100-150 words): March,27th, 2023
Full papers submission: April, 24th, 2023
Acceptance Notice: June, 5th, 2023
Final version Submission: Jun 19th, 2023

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 should 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.