Collaborative Healthcare Networks to support personalized care pathways

Scope

Healthcare systems are evolving in order to face the numerous challenges induced by (i) critical situations of healthcare systems reinforced during recent crises, (ii) technological and organizational changes (4.0 and 5.0 transitions) and (iii) the evolution of care needs, such as the population aging and the increase of follow-up of patients with multimorbidities or chronic diseases conditions. On the one hand, there is an increasing demand for a more personalized medicine; on the other hand, new information and communication technologies are available to strengthen the link between health professionals working in collaborative networks (general practitioners, specialists, pharmacists...) and patients outside medical care centres to accompany their care pathway. Increasing availability of health data is a gold mine and speeds up the development of the personalized care approach. However, technological innovations are not sufficient. Collaborative capabilities depend on many socio-human and organisation factors. A good organization with all actors of the care pathway is essential to maximize the impact of such devices and finally improve the quality of life of patients.

This special session intends to gather advanced research regarding the development of methods and tools to provide resilient and responsible collaborative healthcare networks in the context of personalized medicine. The session aims at attracting both theoretical advances in the field of collaborative networks, technological platforms and solutions for healthcare processes, and applications to concrete case studies.

Session Organizers

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Topics/ Keywords

- Modelling, simulation and analysis of healthcare collaborative networks
- Collaborative planning and availability management in healthcare networks
- Collaborative models, platforms and solutions to support a personalized medicine
- Performance evaluation of care pathways
- Smart homes data analysis to support healthcare processes
- Knowledge acquisition in healthcare collaborative networks
- Medical workflow analysis
- Open application fields: Chronic disease management, Silver economy, Personalized medicine, Persons with disabilities, etc….

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: June 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 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.