



PRO-VE 2021

Smart and Sustainable Collaborative Networks 4.0

22nd IFIP Working Conference on Virtual Enterprises

2021, 22 -24th November

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PRO-VE 2021 Special Session Submission

Digital tools and applications for Collaborative Healthcare

Scope

The spread of covid-19 pandemic, in association with health-related trends as aging of population, rise of chronic diseases, increase of concerns for healing treatments, demonstrated that healthcare systems are at stake if they do not enhance innovative approaches to face them. There is the need to identify and promote a widespread adoption of collaborative behaviours and practices among stakeholders, supported by proper digital tools. More than ever, a smart and sustained decision-making in health-related issues requires to be able to leverage the increasing availability of data, and properly elicit the knowledge deriving from them. Data on patients, drugs, diets, actors involved in operating processes, can be collected thanks to several solutions (e.g. sensors, health applications and Electronic Health Records), stored and elicited (e.g. in AI-based applications), further elaborated towards new knowledge to support operational and strategic decisions (e.g. by Decision Support Systems). The digital transformation of decision-making in healthcare system has to be driven also by a systematic involvement of multiple kinds of stakeholders, both from public and private sectors, into collaborative networks. Proper protocols should be defined to regulate the access to data while stimulating the creation of knowledge for a sustainable improvement of healthcare systems.

This special session welcomes theoretical and empirical studies that advance research on the different opportunities, supporting tools and stakeholder engagement practices for digitally-enabled and collaborative decision-making in healthcare.

Session Organizers

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Topics/ Keywords

- Use of Big Data Analytics for decision-making in healthcare
- Design, implementation and sustainment of collaborative platforms in healthcare
- AI-based collaborative applications for decision-making in healthcare
- Definition of ontologies for Decision Support Systems aimed at fostering improvement and collaboration among healthcare actors
- Cybersecurity and ethical issues in collaboratively sharing healthcare data
- Collaborative approaches to health-related topics enhanced by digital tools (e.g.: toolset for health tourism, diet personalization, applications for clinical personnel and caregivers)

Submission procedure

Special sessions are included in the main Conference and follow the same reviewing process.

Short abstracts submission (100-150 words): March, 15th, 2021

Full papers submission: April, 16th, 2021

Acceptance Notice: May, 31st, 2021

Camera Ready Submission: June, 20st, 2021

Acceptance of papers is based on the **full paper** (up to **8** 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 available on: www.pro-ve.org, with copy by email to the chairs of the special session.