Special Session on Collaborative Networks for health and wellness data management

Scope. Today trends as aging of population, rise of chronic diseases, increase of concerns for healthy diets, growing scarcity of resources, strongly affect people health, wellness and in general quality of life. The healthcare sector, but also connected industries as rehabilitation, health tourism, agri-food, facility management, are increasingly challenging the services and solutions they offer accordingly. In this sense, digitalization is driving a revolution in health and wellness-related value chains, with the increasing availability of data thanks to higher computing and storage capabilities (e.g. through cloud computing), collection points (e.g. through sensors, AR/VR applications and health trackers), elaboration potentials (e.g. through AI algorithms). Beyond technological enablers, the involvement of multiple kinds of stakeholders both from public and private sectors into collaborative networks is essential to properly handle health data: collecting data from different sources, analysing and refining the gathered data, and processing them into various human-centred solutions (e.g. applications, protocols, patient support programs, etc.) are becoming task of pivotal importance to foster the enhancement of the healthcare systems. Moreover, the availability of an increasing amount of data raises new concerns about the treatment of health data from multiple actors in terms of privacy and security.

The aim of this special session is to collect theoretical and empirical contributions that advance research on issues in data handling in health and wellness-related industries, with a specific focus on the role of digitalization and collaborative practices.

Topics of interest include but are not limited to:

- Big Data analytics in healthcare
- New collaborative business models and product-service solutions driven by digitalization in health and wellness-related industries including rehabilitation, health tourism, agri-food,
- Collaborative Decision Support Systems (DSS) in health and wellness-related industries
- Analytics and simulation models for collaboration in health and wellness-related industries
- Collaborative digital applications for specific stakeholders (e.g. patient segments, public administrations, hospital, clinics and other health-related facility management, etc.)
- Ethics and data protection issues of health data

Session Organizers:

- Elena Pessot – National Research Council of Italy, elena.pessot@stiima.cnr.it
- Marco Sacco – National Research Council of Italy, marco.sacco@stiima.cnr.it
- Daniele Spoladore – National Research Council of Italy, daniele.spoladore@stiima.cnr.it
- Andrea Zangiacomi – National Research Council of Italy, andrea.zangiacomi@stiima.cnr.it

Submission procedure: Papers accepted for this session are included in the PRO-VE 2020 conference proceedings and follow the same reviewing process.

Important dates:

- Abstracts: Now
- Full paper: 29 Mar 2020
- Acceptance notification: 09 May 2020
- Camera ready: 18 May 2020
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. However, prospective authors should submit a short abstract in advance, in order to check if the proposed topic fits within the conference scope. When submitting on the web site, you have to indicate the name of the special session. Submission on: www.pro-ve.org, with copy by email to the chairs of the special session.