



# PRO-VE 2023

24rd IFIP/SOCOLNET Working Conference on Virtual Enterprises

## Resilient and Responsible Collaborative Networks

### PRO-VE 2023 Special Session

#### Collaborative Networks in competitive sports

##### Scope

Competitive sport is a societal and economic reality in most industrialized countries, and competition affects all strata of the sports population, from novice amateurs to international professionals. In this ecosystem, the networking of the various stakeholders in professional practice is essential today. We have long understood the interest of networking health professionals, coaches, and administrative leaders, but the use of new artificial intelligence tools strongly influences the structure and nature of these networks, which must by necessity be adaptable and resilient. The new technological tools that make it possible to acquire data provide an additional component, whether for the prediction of performance or the prevention and prediction of the occurrence of injury. The interpretation of these data using artificial intelligence tools also raises many questions, both technical and ethical. The question of the position of the different actors vis-à-vis these new tools is posed. The mechanisms of their integration into practice are not yet well understood and delineated, in spite of already existing examples. It is now necessary to push further the research towards a better understanding of these new issues linked to the deployment of Artificial Intelligence tools. It is both a societal and economic problem, but also a public health problem when the optimization of performance for competition concerns the sporting population at large.

This special session welcomes theoretical contributions, but also case studies, on topics related to networks of actors in the field of competitive sport as well as interactions with new available and emerging technologies.

##### Session Organizers

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##### Topics/ Keywords

- Collaborative networks for professional and amateur competitive sport
- Agility and resilience in competitive sports networks
- Integration of AI in the networks of stakeholders related to competitive sport
- Integration of IOT technologies for the monitoring of competitive athletes
- Analysis of the impact of performance prediction technologies on competitive sport stakeholder networks
- Analysis of the impact of injury prevention and prediction on competitive sport stakeholder networks

##### Submission procedure

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

Short abstracts submission (100-150 words): March, 27<sup>th</sup>, 2023

Full papers submission: April, 24<sup>th</sup>, 2023

Acceptance Notice: June, 5<sup>th</sup>, 2023

Final version Submission: Jun 19<sup>th</sup>, 2023

Acceptance of papers is based on the **full paper** (up to **16** pages for Foundational research papers). 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.