



# PRO-VE 2022

23rd IFIP/SOCOLNET Working Conference on Virtual Enterprises  
Collaborative Networks in Digitalization and Society 5.0

## PRO-VE 2022 Special Session

### Contributions of digital transformation for sustainable supply chains

#### Scope

Supply chain environments have become increasingly more dynamic and unpredictable during the last decade. The predominant global supply chain model is characterized by an increasing dependency of partners spread around the globe, leading to: (1) higher risks of shortage, especially in times of crises; and (2) greater environmental (e.g. CO2 emissions) and social (e.g. living wages in supply chains) impacts. Practitioners and researchers have spent a lot of energy developing strategies to reduce costs and increase efficiency, oftentimes neglecting their impact on resilience and sustainability. The COVID 19 pandemic has exposed these fragilities, and has led companies to rethink their practices. Therefore, manufacturing companies in Europe are more conscious and oriented towards resilience whereas enabling and accelerating the transition to the age of sustainable wellbeing. In this context manufacturing companies are, besides their concern about environmental aspects, also dealing with an essentially social dimension focused on the wellbeing of workers, the need for social inclusion, and the adoption of technologies to complement human capabilities whenever possible.

The growing development and application of novel digital technologies have the potential to greatly change the way supply chains will be managed during the next years, and a positive impact on sustainability-related issues, including circularity, is anticipated. This special session welcomes studies (empirical and theoretical) that advance research on the development of sustainable supply chains, particularly addressing the adoption of digital technologies by companies (e.g. autonomous vehicles, additive manufacturing, distributed ledger, artificial intelligence, digital twins). Real application and demonstration cases are also welcome.

#### Session Organizers

Ricardo Zimmermann, INESC TEC, [ricardo.a.zimmermann@inesctec.pt](mailto:ricardo.a.zimmermann@inesctec.pt)

Luís M. D. Ferreira, Universidade de Coimbra, [luis.ferreira@dem.uc.pt](mailto:luis.ferreira@dem.uc.pt)

Gustavo Dalmarco, INESC TEC, [gustavo.dalmarco@inesctec.pt](mailto:gustavo.dalmarco@inesctec.pt)

Ana Correia Simões, INESC TEC, [ana.c.simoies@inesctec.pt](mailto:ana.c.simoies@inesctec.pt)

#### Topics/ Keywords

- Digital technologies
- Sustainable and Circular Supply chains
- Green Technology adoption
- Social Entrepreneurship & Innovation

#### Submission procedure

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

Short abstracts submission (100-150 words): March, 19<sup>th</sup>, 2022

Full papers submission: April, 16<sup>th</sup>, 2022

Acceptance Notice: May, 28<sup>th</sup>, 2022

Final version Submission: Jun 11<sup>th</sup>, 2022

Acceptance of papers is based on the **full paper** (up to **18** 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.