



## PRO-VE 2021 Special Session Submission

### Socio-technical Perspectives on Smart Product-Service Systems

#### Scope

For the past decade, driven by the rise of the Industry 4.0 momentum, digitalization and servitization research streams have converged in a large amount of research on Product-Service Systems (PSS). With the prominence of digital technologies, the bundling of products and services has become smarter and smarter along their entire life cycle, evolving towards the smart PSS concept. From product/service concept to manufacturing, sale, utilization, and disposal, the adoption of data-driven, connected technologies brings into the value-chain more and more stakeholders capable of consuming and generating value. This new generation of smart PSS brings with it, however, new socio-technical challenges and opportunities along the entire value chain.

Recent works have pointed to a research agenda that focuses on engineering challenges for the evolution and validation of the Smart PSS concepts and capabilities, managerial challenges for the fitting of organizations strategies and processes into the PSS model, and conceptual challenges for the consolidation of theoretical background. This special session focuses on the collaborative impact on the first two challenges to gather advance research regarding (1) the engineering, design, and implementation of Smart PSS supporting the digitalization and servitization paradigms in value chains, as well as (2) the socio-technical aspects involved in the transformation of business models and processes, uncertainty and risk management, and data and life cycle management.

#### Session Organizers

António Lucas Soares, INESC TEC, antonio.l.soares@inesctec.pt

Henrique Silva, INESC TEC, henrique.d.silva@inesctec.pt

#### Topics/ Keywords

- Socio-technical design and engineering of smart PSS
- Social versus technical readiness in smart PSS adoption
- Human-centered PSS
- Collaborative Smart PSS management and engineering
- New roles of stakeholders in Smart PSS value networks
- Data management in Smart PSS
- Social and economic impact of Smart PSS
- Smart PSS enabled business models

#### Submission procedure

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

Short abstracts submission (100-150 words): March, 15<sup>th</sup>, 2021

Full papers submission: April, 16<sup>th</sup>, 2021

Acceptance Notice: May, 31<sup>st</sup>, 2021

Camera Ready Submission: June, 20<sup>st</sup>, 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](http://www.pro-ve.org), with copy by email to the chairs of the special session.