



PRO-VE'18 – 19th IFIP Working Conference on Virtual Enterprises

Cardiff, UK, 17-19 September 2018

Special Session on Design Science Research in the field of Collaborative Networks

Scope

Design Science Research (DSR) is a well-established research paradigm that intends to create innovative artifacts addressing unsolved problems in organizations. The types of artifacts in DSR include constructs, models, methods, frameworks, or algorithms, as well as guidelines, requirements, social innovations, architectures, design propositions or design theories. Well designed and developed artifacts are expected to contribute with new knowledge to the body of scientific evidence and to real-world applications. Therefore, the mission of DSR is to develop knowledge that researchers and professionals can use to co-design solutions and construct artifacts together for their field problems.

The design process (of systems, products or services) – as a sequence of expert activities that produces an innovative outcome – has been studied in different disciplines, from information systems to business/management studies. Unlike other fields, Collaborative Networks call for the design of a big variety of artifacts. This poses particular challenges to the DSR approaches and methods.

Following the main topic of PRO-VE 2018, this special session will focus on DSR supporting the data-driven and co-design of collaborative networks of cognitive systems. It aims to bring together researchers in the multidisciplinary areas of collaborative networks (including the several contributing disciplines such as information systems, or business and management studies) to provide a forum for the presentation and discussion of their research activities. Contributions concerning theoretical approaches and emerging themes, as well as case studies are welcome.

Session Organizers

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Topics / Keywords

- Design of collaborative models and platforms for networks of cognitive systems
- Co-design of artifacts
- Data-driven design
- Design of collaborative networks
- Big data for design
- Design of supply chain networks
- General design processes
- Design theory
- Design practice and design thinking
- Design science research applications
- Emerging methods and tools in design science research
- Emerging themes in design science research
- Design science research for industry
- Case studies

Acceptance of papers is based on the **full paper**. 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 must indicate the name of the special session.

Submission on: www.pro-ve.org, with copy by email to the chairs of the special session.