



PRO-VE 2021

Smart and Sustainable Collaborative Networks 4.0

22nd IFIP Working Conference on Virtual Enterprises

2021, 22 -24th November

www.pro-ve.org



PRO-VE 2021 Special Session Submission

Collaborative ontologies for complex manufacturing systems

Scope

In an increasingly complex and dynamic environment, companies must collaborate to be more competitive. Collaboration allows, for example, to exchange ideas, knowledge, work together on problems, and minimize different types of risks. To do so, these companies must exchange data and information to develop investigative problem-solving approaches. This phase is important, as it requires these companies to agree among themselves on the definition of the concepts they use, facilitating the analysis of problems. This data or ontologies can be used for example for simulation, testing resolution approaches, etc. Therefore, it is necessary to specify how we envisage ontologies, what characteristics are required, what is the degree of reliability of the proposed ontology about the problems to be treated. The goal is to highlight cutting-edge research on sharing knowledge and ontologies. The session welcomes research works on this perspective for complex manufacturing processes as semiconductor manufacturing, Health Care Systems, and Services...

Session Organizers

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Topics/ Keywords

- Development of ontology for collaboration,
- Building a mechanism to exchange knowledge across ontologies, ensure the right degree of reliability of knowledge, etc.
- Exploiting this knowledge to address problems of planning, scheduling, developing simulation models, etc models.

Submission procedure

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

Short abstracts submission (100-150 words): March, 15th, 2021

Full papers submission: April, 16th, 2021

Acceptance Notice: May, 31st, 2021

Camera Ready Submission: June, 20st, 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, with a copy by email to the chairs of the special session.