



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

Collaborative Networks and Open Innovation in Education 4.0

Scope

Technological progress and its rapid evolution have positively affected not only the industry sector but also different productive/service sectors that have been benefited the most, such as Education. In recent years, the term "Education 4.0" has been assigned high relevance by different authors who have conceptualized it according to the well-known four industrial revolutions periods. The 4.0 technologies combined with pedagogical procedures have taken on great relevance in today's academic practices, and its development has been accelerated in the last year due to the global pandemic. Therefore, new initiatives and projects in educational innovation have been emerged to respond to the current challenges in education that are not just limited to academic and social issues but also are related to the need to develop essential competencies in today's students, encouraging them to grow technically, technologically, analytically, and with the ability to think critically. This opens opportunities for Collaborative Networks and Open Innovation initiatives not only to share knowledge, resources, joining complementary skills, capacities, and responsibilities but also to create initiatives for distance education in global environments.

This Special Session aims to provide a vision about current contributions and implementations on the combination of 4.0 technologies with pedagogical procedures. This session welcomes submissions regarding research works on this perspective, including approaches in best practices, methods, methodologies, design & development of new products/technologies/platforms/services, case studies, and experiences.

Session Organizers

Prof. Dr. Arturo Molina, Tecnológico de Monterrey, Mexico, armolina@tec.mx

Dr. María Soledad Ramírez-Montoya, Tecnológico de Monterrey, Mexico, solramirez@tec.mx

Dr. Jhonattan Miranda, Tecnológico de Monterrey, Mexico, jhonattan.miranda@tec.mx

Topics/ Keywords

How the evolution of technologies has influenced the education sector

- Collaborative networks and open innovation in Education 4.0
- Value co-creation in Education
- Digital and virtual platforms applied in Education
- Using VR, AR, XR for Education
- Education in Industry 4.0
- Collaborative networks between education-industry-government
- Education 4.0 and Innovation HUBs
- Sensing, smart, and sustainable technologies applied to Education
- 4.0 technologies applied to Education: IoT, Cyber-Physical Systems, Robotics, Artificial Intelligence
- Competencies needed in Education 4.0
- Learning Methods in Education 4.0
- Infrastructure needed in Education 4.0
- Open Innovation Laboratories with Education 4.0

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 copy by email to the chairs of the special session.