



PRO-VE 2022

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

Special Session on Architectures for Collaborative Enterprise Integration Achieving **sustainable, human-centric, resilient, and collaborative** industry

Scope

Architectures for Enterprise Integration is a topic that has been in the research and industry arena for almost 20 years. However, there is a need to evaluate and reconsider if Reference Architectures can achieve the new trend of 5.0 society to achieve sustainable, human-centric, resilient, and collaborative requirements. Therefore IFIP WG 5.12 Architectures for Enterprise Integration invites the scientific community, industry practitioners and industry standard development groups to propose new research pathways to foster scientific and applied research into Enterprise Architecture, Integration, Interoperability, and Networking (EA2IN) disciplines, in particular, Enterprise Reference Architectures, Enterprise Engineering Methodologies, Enterprise Modelling, and Generic Enterprise Models.

Key Questions & Topics:

- What are Industry challenges for Society 5.0?
- How can Legacy and Evolution of Enterprise Architectures achieve sustainable, human-centric, resilient and collaboration requirements for industry?
- What are the most useful and practical international standards that can be used for Collaborative Enterprise Integration?
- Is Life Cycle Engineering a useful approach? What are the most innovative models, methods, tools, and technologies?
- How can Enterprise Modelling Tools and Languages (Language Specifications, Taxonomies and Ontological Theories, Computer-Aided Engineering Tools) accelerate Collaborative Enterprise Integration?
- What Enterprise Engineering Methodologies must include to address the issues of sustainable, human-centric, resilient and collaboration requirements for industry?
- How to align Industry's strategies to the use of Generic Enterprise Models and Building Blocks (e.g. for Intra- and Inter-Enterprise Integration, Agent-based Integration, Information Infrastructure, Organizational Models, Self-similar Structures, and Reusable Industry-specific Models)?
- How the use of decentralizing IT infrastructure and dynamic services accessed as-a-Service from several different sources & providers, is responding to different QoS/SLA constraints?
- What is the role of cyber-physical systems in achieving Collaborative Enterprise Integration?
- What are best practices, industrial cases, and practical applications of Collaborative Enterprise Integration?

Session Organizers

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Submission procedure

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

Short abstracts submission (100-150 words): March, 19th, 2022

Full papers submission: April, 16th, 2022

Acceptance Notice: May, 28th, 2022

Final version Submission: Jun 11th, 2022

Acceptance of papers is based on the full paper (Technological development and case application papers up to 8 pages and Foundational Research papers up to 12 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.

Special Session Sponsored by

IFIP Working Group 5.12 - Architectures for Enterprise Integration