



CALL FOR PAPERS

INTERNATIONAL FORUM ON DIGITAL TWINS DESIGN & OPERATION (DTD&O)

Paris – December 14, 2023

Exploring the potential of systems digital twins in industrial process lifecycle management

The "International Forum on Digital Twins Design & Operations" is an event that aims to explore the potential of system digital twins in complex industrial process modeling and simulation.

As industries continue to evolve and become more complex, it is becoming increasingly important to leverage advanced technologies and tools to optimize operations. Digital twins, which are virtual replicas of physical systems or functional processes, offer a powerful solution to this challenge, enabling industries to simulate, monitor, and optimize their processes in real-time. By combining digital twins with systemic thinking, a holistic approach to problem-solving that takes into account the interconnectedness of all system components, industries can gain deeper insights into their operations and optimize them for maximum efficiency and productivity.

The event will provide a unique opportunity to learn about the latest developments in digital twin design and operation, including the challenges and opportunities of creating and managing digital twins in different industrial sectors.

CONFERENCE TOPICS

Digital Twin Fundamentals

- Data-driven & stochastic modelling
- Development processes
- Dynamic prediction & projection
- Model-based system engineering
- Simulation based approach & technologies
- Interoperability & standards

Digital Twin Systems and Industrial Applications

- Automation & manufacturing
- Automotive & aerospace
- Healthcare
- Industrial logistics
- Smart cities & transportations
- Sustainable development

IMPORTANT DATES

PAPER SUBMISSION: SEPTEMBER 15, 2023

RESULTS ANNOUNCEMENT: OCTOBER 15, 2023

FINAL VERSION: NOVEMBER 10, 2023

PUBLICATION

All selected papers will be published (as full article for 20-min talk papers & as abstract for poster papers) in the Springer-Verlag Proceedings and in the bdlp bibliography.

SUBMISSION FORMAT

Submissions must be written in English and have to be submitted through our electronic submission system EasyChair:

<https://easychair.org/conferences/?conf=dtto2023>

- Industrial/governmental (good practices, shared experiences & professional case studies): 12-page Word or 15-slide PPT.
- Academic (innovative, methodological, technical/industrial or scientific results): 12-page Word or Latex.

ORGANIZING & PROGRAM COMMITTEE

(Chair) Abdelkrim DOUFENE - **IRT SystemX**

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