CALL FOR PAPERS

INTERNATIONAL FORUM ON DIGITAL TWIN DESIGN & OPERATIONS (DTD&O)

Paris – November 21, 2024

Exploring the value and impacts of digital twins in complex systems

The 2nd edition of the "International Forum on Digital Twins Design & Operations" is an event that aims to explore the value and impacts of digital twins in complex systems.

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, allowing 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.

CONFERENCE TOPICS

Digital Twin Engineering
- Data-driven & stochastic modelling
- Development processes
- Dynamic prediction & projection
- Model-based system engineering
- Simulation based approach & technologies
- Interoperability & standards
- Cybersecurity
- Concepts, architectures and frameworks
- Visualisation (XR, Real time 3D)

Digital Twin Systems and Industrial Applications
- Automation & Manufacturing
- Automotive & Aerospace
- Healthcare
- Energy
- Networks, Infrastructure
- Industrial logistics
- Smart cities & Transportations
- Sustainability & Resilience
- Science (Meteorology and Oceanography)

IMPORTANT DATES

PAPER SUBMISSION: JUNE 17, 2024
RESULTS ANNOUNCEMENT: JULY 16, 2024
FINAL VERSION: SEPTEMBER 16, 2024

PUBLICATION

All selected papers will be published (as full article for 20-min talk papers & as abstract for poster papers) in a special issue of the Digital Engineering Journal (Elsevier) 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=dtdo2024

- 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) Nabil ANWER - **Paris Saclay University**
Daniel KROB - **CESAMES & Systemic Intelligence**
Ariane PIEL - **CEA-List**
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Event Website
https://www.systemic-intelligence.net/events/dtdo2024/