Invited Session on:
"AI–driven methods for Distributed Service Networks and performance evaluation"
(ADSN 2021)

7-9 June 2021 Budapest

Session Chairs:
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CONTRIBUTIONS

ADSN 2021 is a forum that will share ideas, projects, research results, models, experiences, applications etc. associated with AI-driven solutions for different distributed service networks born problems (arising in transportation, telecommunication, high-performance computing, manufacturing and other kinds of logistic systems). Recently a number of researchers studying distributed service networks devoted their efforts to modeling real-life systems of different natures and characters. The generic approaches developed through this effort are based on AI methods (parallel/cloud computing, declarative modeling, fuzzy methods) that have been highly developed in recent years. These methods allows one to integrate both emerging and existing concepts from different types of production flows through synchronizations (e.g. milk-run distribution networks), the integration of logistics services (e.g. supply chains and projects portfolios), to traffic flow congestion management in ad hoc networks as well as to the design of high-performance cloud data centers. Due to the above mentioned reasons the aim of the session is to provide a platform for discussion about the new solutions (regarding models, methods, knowledge representations, etc.) that might be applied in that domain. In that context, it may provide significant new contributions in both theory and applications and enable a broad understanding and modeling of distributed service networks. There is a number of emerging issues with big potential for methods of artificial intelligence like:
- intelligent transport and passenger routing,
- multimodal processes management,
- production planning and scheduling,
- stochastic models in planning and controlling,

- dynamic routing and scheduling,
- supply chain management,
- servitization and supply networks,
- parallel/cloud computing.

Submission

For author guidelines, please refer to **www.ifac-control.org**. All papers must be submitted electronically using PaperPlaza Conference Manuscript Management System (https://ifac.papercept.net/conferences/scripts/submission.pl).

All papers must be prepared in a two-column format in accordance with the IFAC manuscript style. Please use the official IFAC instructions and template to prepare your contribution as full-length draft paper and submit it online by 7th November 2020. Submission details are available on the symposium website.

The corresponding author submits the paper online (pdf format) as **an invited session paper**. Submission as an invited paper requires the **invited session code ADSN 2021.**

Important dates:

7th November 2020	Draft manuscript submission
15th December 2020	Notification of acceptance/rejection
1st February 2021	Deadline for the final submission