Call for Papers – SRToITS 2025: International Workshop on Safety/ Reliability/ Trustworthiness of Intelligent Transportation Systems (SRToITS 2025)

SRToITS 2025 is in conjunction with SAFECOMP 2025

Scope

A mix of intelligent transportation systems (ITSs, e.g. the automated car/ bus/metro/train, etc.) and regular transportation systems (RTSs) in future traffic networks challenges the safety, reliability and trustworthiness of ITSs, as well as the holistic safety and energy consumption of traffic networks. Hence, it is crucial to understand the risks of such mixed traffic networks where ITSs and RTSs are both involved, with mutual interactions. The risks can be caused by the following aspects: the complexity of operational tasks that ITSs have to deal with has been grossly underestimated, the artificial intelligence (AI) technology-based decision making is not reliable enough, ITSs lack a thorough and correct understanding of human driver behaviors and intentions in mixed scenarios, etc. With this in mind, there are many important issues that need to be investigated to facilitate ITSs performing tasks safely and properly, and enhance the safety and sustainability of traffic networks.

SRToITS 2025：https://safecomp2025.se/workshops/

Topics of the workshop

Contributions are sought in (but are not limited to) the following topics:

- Functional safety of ITSs,
- Sustainability of urban transport,
- Safety of the Intended Functionality (SOTIF),
- Reliability/ interpretability /trustworthiness of AI based ITSs,
- Scenario/model based V&V,
- New technologies of V2X and CAV,
- Technologies to assess the criticality of operational scenarios,
- Safety, security and performance issues of the coordination between automated vehicles and smart infrastructures,
- Understanding of environment and human driver behaviors,
- Implications from regulatory entities.

Workshop Chairs:

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Workshop Committees

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- Yonggang Wang, Chang'an University, China.
- Peng Chen, Beihang University, China.
- Guo Zhou, Guangzhou Automobile Group Co., China.
- Mingyang Zhao, Harbin Institute of Technology, China.

Submission

Full research papers, reports on research projects, as well as industrial experience reports from work in progress are welcome. All papers will be reviewed by at least three reviewers. Workshop proceedings will be provided as complementary book to the SAFECOMP Proceedings in Springer LNCS. Papers (6 - 12 pages) will be reviewed by at least three reviewers. Please keep your paper format according to SPRINGER LNCS style guidelines (**http://www.springer.com/computer/lncs?SGWID=0-164-6-793341-0**) (use Microsoft Word if possible).

Submission will be via EasyChair: https://easychair.org/conferences/?conf=srtoits2025

Deadlines:

Full paper submission: ~~**04**~~ **11 May 2025**

Notification of acceptance: **19 May 2025**

Camera-ready submission: **10 June 2025**

Workshop: **9 September 2025**

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