



## Modeling for Fault Diagnosis and Fault Tolerant Control of Complex and Large-Scale Transportation Systems and their components

Proposal for Invited Session at the 14th International Workshop on Advanced Control and Diagnosis 16 - 17 November 2017, Bucharest, Romania

## **Invited session organizers:**

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## Aims and scope:

The Trans-European network program (TEN-T<sup>1</sup>) has as main objective the development of transport infrastructure policy to close the gaps between Member States' transport networks and to guaranty of seamless transport chains for passengers and freight. This transport infrastructure policy is dedicated to the development of multimodal transport, interconnecting rail, road and navigation transportation modes. The efficient management of these transportation systems requires the development of automatization based on sensors, controlled devices and tele-remote architectures. However, fault occurrence can lead to non-optimal use of the transportation mode, high maintenance costs, and in worse situations to dramatic damages. Hence, it is necessary to design fault diagnosis and fault-tolerant control of devices or components of these transportation systems with the aim to improve their reliability and safety.

In the last decades, several fault-diagnosis and fault-tolerant control techniques have been proposed for the maintenance of complex and large-scale transportation systems, or for their components. The objective of this invited session is to share this knowledge and to discuss new contributions.

Webpage: <a href="http://www.acd2017.acs.pub.ro/">http://www.acd2017.acs.pub.ro/</a>

## **Important dates:**

Submission deadline of draft papers September 15<sup>th</sup>, 2017 Paper acceptance notification October 9<sup>th</sup>, 2017 Final version due October 23<sup>th</sup>, 2017

Please contact the organizers with tentative title and list of co-authors before **September 1**<sup>st</sup>, 2017.

<sup>&</sup>lt;sup>1</sup> http://ec.europa.eu/transport/themes/infrastructure/ten-t-guidelines/index en.htm







