Call For Papers

Special Session

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4th International Conference on Control, Decision and Information Technologies

April 5-7, 2017

CoDIT'17

Barcelona, Spain

IEEE

CALL FOR PAPERS
SPECIAL SESSION ON

Special Session on

"Fault Tolerant Control for Vehicle Dynamics"

for CODIT'17
April 5-7, 2017 – Barcelona, Spain

Session Co-Chairs :

Dr. Ahmed Chaibet, ESTACA of Paris, France

Dr. Moussa Boukhnifer, ESTACA of Paris, France

Dr. Sébastien Glaser, Institut VEDECOM, France

Session description

This special session deals with the problem of the autonomous vehicles. Indeed, to conclude the automated driving concept, autonomous vehicle systems require multiple sensors (sometimes redundant) to guarantee the aforementioned requirements. A sensor could abruptly fail or operate outside its specified operating conditions (traffic spray, fog, rain, dirt on the cover...) and classical fusion of sensors does not work well with a failed sensor.

The goal is to propose controlling schemes which must be robust and continue to perform adequately in the presence of these faults, are called fault-tolerant control (FTC) schemes.

The topics of interest include, but are not limited to:

- Robust control for autonomous vehicle
- Active and passive fault tolerant control
- Fault Detection and Isolation
- Observer and diagnosis

SUBMISSION

Please submit your full paper choosing the right Special Session (**13-Special Session: Fault Tolerant Control for Vehicle Dynamics**) on the EasyChair for CoDIT'17 website:

https://easychair.org/conferences/?conf=codit17

All papers must be written in English and should describe original work. The length of the paper is limited to a maximum of 6 pages (in the standard IEEE conference double column format).

IIMPORTANT DATES

December 4, 2016: deadline for paper submission

February 2, 2017: notification of acceptance/reject

February 26, 2017: deadline for final paper and registration.