

CALL FOR PAPERS – WDTS 2012

Workshop on Dependable Transportation Systems

Co-located with

The 18th IEEE Pacific Rim International Symposium on Dependable Computing
(PRDC2012)

November 18-19 2012, Niigata Convention Center, Niigata, Japan

<http://prdc.dependability.org/2012/>

Dependability is one of the most critical issues in today's transportation systems, especially in railway systems. As being important social infrastructure to support humans' economic activities, transportation systems must satisfy both of high-level safety and the requirement on accurate operations, under complex, interconnected, and high-capacity networks.

As a special session of PRDC2012, we aim to provide a forum for researchers and practitioners to present and discuss the state of the art and the new challenges in the **Workshop on Dependable Transportation Systems (WDTS)**, as well as providing a unique opportunity for establishing collaborations among several research groups and individuals interested in this research field.

TOPICS OF INTEREST

Topics of interests include (but not limited to):

- dependable railway system
- dependable road traffic system
- dependability issues in stations and trains
- dependability issues in next-generation transportation systems
- interlocking and signal systems
- interface between railway and traffic systems
- fail-safe system
- traffic control system, ATS/ATC
- distributed traffic management system
- railway and train maintenance
- risk assessment / management
- case study / incident report

PAPER SUBMISSION

Authors from academia, industry and government are invited to submit high quality unpublished research work describing the results of theoretical and experimental software dependability research. After rigorous review, all the accepted papers will be included in the IEEE Xplore Digital Library. Authors of selected high quality papers may be invited to submit an extended version of their papers in a Special Issue of the Journal of Software Engineering and Applications (JSEA; <http://www.scirp.org/journal/jsea>). The details on this Special Issue will be announced in the near future.

IMPORTANT DATES

Papers due (to be received by): August 5, 2012

Notification of acceptance: September 1, 2012

Submission of camera-ready papers and copyright forms: September 20, 2012

SUBMISSION INSTRUCTIONS

Papers must be written in English and be formatted according to the IEEE Computer Society Formatting Guidelines (<http://www.computer.org/portal/web/cscps/formatting>). The papers should describe original research (not be submitted or published elsewhere) and not exceed 10 pages. Submissions of short papers (2 - 4 pages) are also encouraged. Paper submission will be done electronically sending a PDF version of the paper to:

`wdts-submission@iel.sd.tmu.ac.jp`

Submission implies the willingness of at least one of the authors to register and present the paper at the workshop, if the paper is accepted.

ORGANIZING COMMITTEE

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