

----- Special Issue on Dependable Computing -----

The IEICE Transaction on Information and Systems announces a forthcoming issue on Dependable Computing to be published in September 2013. The objective of this issue is to promote the development of the research work on the field of dependable computing. This research field is important to develop "dependable" systems as computing systems grow huge and complex due to the improvement of the Internet. With the opportunity of the 18th Pacific Rim International Symposium on Dependable Computing (PRDC2012), the 21st Asian Test Symposium (ATS2012) and the 13th Workshop on RTL and High Level Testing (WRTLTL2012) held in Niigata, Japan, the papers presented at the Symposiums and workshop are solicited to be submitted for this issue. Other papers, not presented at these Symposiums and workshop, are also welcomed.

1. Scope

This special issue aims at timely dissemination of research in these areas. Possible topics include, but are not limited to:

Software and hardware reliability, Network reliability, Dependability measurement, Dependability modeling and evaluation, Fault-tolerant systems, Design and Algorithm, Safety, Information security, Automatic test pattern generation (ATPG), Analog test / Mixed-signal test, Built-in self-test, Design for testability (DFT), Design verification and validation, Defect-based testing, Delay and performance test, Diagnosis and debug, Fault modeling, Fault simulation, On-line test, System-on-a-chip test, Test compression, Test quality, High-level test generation, RTL test generation

2. Submission Instructions

The standard number of pages is 8 for a PAPER and 2 for a LETTER. The maximum number of pages for the initial submission of a LETTER is 4. The page charges are considerably higher for extra pages. Manuscripts should be prepared according to the guideline in the "Information for Authors". The latest version is available at the web site, http://www.ieice.org/eng/shiori/mokuji_cs.html.

This special section will accept papers only by electronic submission. Prospective authors are requested to follow carefully the submission process described below.

1. Submit a manuscript and electronic source files (TeX/Word files, figures, authors' photos and biography) via the IEICE Web site https://review.ieice.org/regist_e.aspx by **December 28th 2012 January 18th 2013 (Japan Time)**. Authors should choose the **[Special-ED] Dependable Computing** as a "Type of Issue (Section)/Category of Transactions" on the online screen. Do not choose [Regular-ED].

2. Send "Copyright Transfer and Page Charge Agreement" and "Confirmation Sheet of Manuscript Registration" by E-mail, FAX or postal mail to the following address (guest editor of the special section) by the above due date. We may withdraw the submission if these documents have not been received by the due date, even if the manuscript has been received by electronic submission. For additional guidelines on manuscript preparation, please visit: http://www.ieice.org/eng/shiori/mokuji_cs.html

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* Please note that if the submitted paper is accepted, all authors, including authors of invited papers, are requested to pay for the page charges covering partial cost of publications. Authors will receive 50 reprints.

* At least one of the authors must be an IEICE member when the manuscript is submitted for review. Invited papers are an exception. We recommend that authors unaffiliated with IEICE apply for membership. For membership applications, please visit <http://www.ieice.org/eng/member/OM-appli.html>