

IPSJ Transactions on System and LSI Design Methodology



➔ Objective

- ✓ Widely publish research results on System LSI Design Methodology

➔ Scope

Areas of interest include, but are not limited to:

- ✓ **System Design Technology** (specification description, performance estimation, testing and verification, high level synthesis, model-based design, HW-SW co-design, design support/environment systems)
- ✓ **LSI Design Technology** (simulation and modeling, layout design, functional/logic synthesis, LSI testing and verification, high-reliable design, low power design, computer-aided design/design environment tools, emerging design technology)
- ✓ **Design Experience** (embedded systems, reconfigurable systems, cyber-physical systems, AI-related technology, IoT/network applications, medical/healthcare applications, security applications, in-car systems, education for system/LSI design, quantum cryptography, quantum computer)

➔ About the Transactions

- ✓ Issued twice a year on February and June
- ✓ Submission deadlines are early June and early October, respectively
- ✓ All papers are available for free on the Web <http://www.jstage.jst.go.jp/browse/ipsjtsldm>
- ✓ Papers are registered in many databases *INSPEC, EI, DBLP, SwetsWise, SciVerse Scopus, CrossRef, Google Scholar, Microsoft Academic Search, JDreamII*
- ✓ Short paper category suitable for preliminary publication
 - A paper with novelty OR useful information is considered for short paper publication.
 - A complete version can be submitted later as a regular paper.
 - A short paper is limited to 2 pages except for acknowledgement and references, and the revised version is within a half page more.

✓ Invited papers by **world-famous researchers**

- 33rd issue (June 2024): Yuncheng Zhang, Kenichi Okada (Tokyo Institute of Technology),
“*Design of Synthesizable Digital Phase Locked Loops*”
- 32nd issue (February 2024): Tadahiro Kuroda (The University of Tokyo),
“*Slashing IC Power and Democratizing IC Access for the Digital Age*”
- 26th issue (February 2021): Youngsoo Shin (KAIST),
“*Computational Lithography Using Machine Learning Models*”

- ✓ TSLDM Best Paper Award honors the authors of distinguished paper

➔ For more details, please visit <http://www.sig-sldm.org/tsldm/>