The IEICE Transactions on Information and Systems announces a forthcoming special section on Formal Approach to be published in June 2017.

Formal methods and techniques play a key role in designing and developing highly reliable information systems and embedded systems. The last decades have seen various new techniques and profound theoretical results using formal methods in surprisingly many fields such as modeling, requirements analysis, specification, automatic generation of codes, test, verification, maintenance, and reuse. They are rapidly extending their application domains as a result of the recent growth of information and communication technologies.

The Special Section on Formal Approach aims at stimulating research on formal approach to information systems and embedded systems, ranging from fundamental theory to case studies in practical systems. Our emphasis is put on the cross-fertilization of related research fields and encouragement of young researchers.

1. Topics
The major topics are listed below, but we solicit submissions in all areas of formal approaches, i.e., first to formalize information systems, embedded systems, and their environment, next to analyze their behavior and to derive their properties rigorously, and then to solve various problems in designing and managing the systems.

- **Theoretical foundations**: all aspects of theory related to formal description and verification for structure and behavior of systems.
- **Formal techniques**: techniques for mainly describing and analyzing systems, such as software, hardware and network.
- **Formal tools**: tools based on formal methods such as model checker, theorem prover, and static and dynamic analysis.
- **Applications**: practical experiences applying formal methods to information systems, embedded systems, circuits, security, etc.
- **Education**: education on formal methods.

2. Submission Instructions
The deadline for submission is Aug 29 (extended), 2016, 23:59 JST (GMT+9). Manuscripts should be carefully prepared according to the guideline in the "Information for Authors" available at

http://www.ieice.org/eng/shiori/mokuji_iss.html

The preferred length of the manuscript is 8 pages. Only electronic submission through the web page is accepted.

Submit a complete paper and transfer copyright of the paper using the IEICE Web site

https://review.ieice.org/regist/regist_baseinfo_e.aspx

Authors should choose the [Special FO] Formal Approach as a "Journal/Section" on the online screen.

3. Important Dates
Submission Deadline: Aug 29 (extended), 2016 23:59 JST (GMT+9)
First Notification: Oct 18, 2016
Final Notification: Jan 25, 2017

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(As of Feb 25, 2016)