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, AI systems, machine learning systems, automotive systems, etc.

- **Education:**
  
  education on formal methods.

2. Submission Instructions

The deadline for submission is Sep 25, 2018, 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/cnp-shiori/mokuji_iss.html](http://www.ieice.org/cnp-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 at [https://review.ieice.org/regist/regist_baseinfo_e.aspx](https://review.ieice.org/regist/regist_baseinfo_e.aspx).

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

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First Notification: November 23, 2018
Final Notification: March 8, 2019

5. Further Information
All inquiries should be sent to the guest editor in chief.

6. Important Notice
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