
FOREWORD

Special Section on Formal Approach

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. In response to the Call for Papers, twelve papers were submitted. After a thorough and careful review process, the editorial committee selected five papers of exceptional quality that prove the significance and importance of formal approach research.

On behalf of the editorial committee of the Special Section, I would like to express my sincere gratitude to all who submitted their valuable papers. I am also grateful to the external reviewers and the editorial committee members, especially Guest Editors Dr. Yoshinobu Kawabe, Dr. Masaki Nakamura, and Dr. Tatsuhiro Tsuchiya, for their careful and devoted efforts towards the success of the Special Section and the progress of formal approach.

Guest Associate Editors:

Toshiaki Aoki (JAIST)
Hiroshi Hosobe (Hosei University)
Fuyuki Ishikawa (National Institute of Informatics)
Junji Kitamichi (The University of Aizu)
Koichi Kobayashi (JAIST)
Hironobu Kuruma (Hitachi, Ltd.)
Ken Mano (NTT Communication Science Laboratories)

Guest Editors:

Yoshinobu Kawabe (Aichi Institute of Technology)
Masaki Nakamura (Toyama Prefectural University)
Tatsuhiro Tsuchiya (Osaka University)

Kozo Okano, Guest Editor-in-Chief

Kozo Okano (*Senior Member*) received his BE, ME, and Ph.D. degrees in Information and Computer Sciences from Osaka University, in 1990, 1992, and 1995, respectively. Since 2012, he has been an Associate Professor of Graduate School of Information Science and Technology, Osaka University. In 2002, he was a Visiting Researcher of Department of Computer Science, University of Kent at Canterbury. In 2003, he was a Visiting Lecturer of School of Computer Science, University of Birmingham. His current research interests include formal methods for software. He is a member of IEEE, IPSJ, and JSSST.

