

— Call For Paper IEICE Transactions on Information and Systems —
- Special Section on Security, Privacy, Anonymity and Trust in Cyberspace Computing and Communications -

Nowadays the information technologies and applications have been meeting the security, privacy, anonymity and trust issues in cyberspace computing and communications. This special section covers many dimensions including security model and architecture, privacy modeling and analysis, anonymity in big data and cloud scenarios, trust specifications, models and standards, encompassing fundamental theoretical approaches, practical experimental projects, and commercial application systems for computation and communications. As applications of computer systems and networks have permeated in every aspect of our daily life, the issues of security, privacy, anonymity and trust have become increasingly critical. This special section, which is expected to be published on February 2020 will provide a venue for the world-class researchers to gather and share their research achievements, emerging ideas and trends in the highly challenging research fields.

This special section on IEICE Transaction will receive independent submissions as well as the extended papers from the following three conferences in the corresponding topics:

(1) IEEE ATC 2018 in October 2018 in Guangzhou, China (<http://www.smart-world.org/2018/atc/>), (2) SpaCCS 2018 in December 2018 in Melbourne, Australia (<http://www.spaccs.org/SpaCCS2018/>), and (3) ISPEC 2018 in September 2018, Tokyo, Japan (<http://www.risk.tsukuba.ac.jp/ispec2018/>).

Topic

Part 1: Security

Security Model and Architecture, Software and System Security, Secure Computing Platform, Secure Network Computing, Security in Cloud Computing and Pervasive/Ubiquitous Computing, Security in Mobile and Wireless Communications, Security in Big Data and its Applications, Database Security, Intrusion Detection , Malware and Botnets

Part 2: Privacy

Measuring and Quantifying Privacy, Privacy Modeling and Analysis, Software and System Privacy, Privacy-preserving Computing Platform, Privacy-enhanced Network Computing, Obfuscation-based Privacy, Cryptographic Tools for Privacy, Building and Deploying Privacy-enhancing Systems, Privacy in Cloud and Big Data Applications, Privacy-Preserving Data Mining, Data Release and Publishing

Part 3: Anonymity

Anonymous Data Mining and Data Sharing, Parallelism Exploitation Techniques for Anonymity, Anonymity in Big Data Analytics, Anonymous Management in Trust Relationships, Anonymous Video Analytics Technology, Anonymity Metrics, Measures and Evaluations, Anonymity Models, Hardware/Device of Anonymity, Anonymous Social Networks, Structural k-Anonymity in Social Networks, Distributed Anonymous Information Storage and Management, Anonymity in Big Data and Cloud Scenarios

Part 4: Trust

Trust Specifications, Models and Standards, Trust, Security and Privacy in Smart Systems, Blockchain Technology and Applications, Cyber Physical Systems and Their Safety, Cyber Trust, Security, Privacy and Ethics , Trust, Security and Privacy in Vehicular Networks and Systems, Cloud Computing and Fog Computing, Advanced Cognitive Computing and Machine Learning, Trust in Mobile and Wireless Communications, Trust in Big Data and its Applications

2. Author Instructions

The length of the regular paper is limited to 8 pages, and 2 pages for letter. Please refer to the following link for the detailed information: http://www.ieice.org/eng/shiori/mokuji_iss.html

3. Submission

Please follow the steps for the submission:

- (1). Submit through webpage "https://review.ieice.org/regist/regist_baseinfo_e.aspx". Please select "[Special-IN] Security, Privacy, Anonymity and Trust in Cyberspace Computing and Communication" under "Journal/Section". Do not select [Regular-ED].
- (2). "Copyright Transfer and Page Charge Agreement" is required during the submission.

4. Submission Deadline: March 10, 2019 (Strict)

5. Notification

Acceptance or reject of the submitted papers or letters will be notified to the authors before middle of October 2019. Please note that if accepted, all authors, including authors of invited papers, will be requested to pay for the page charges covering partial cost of publication around October, 2019. If payment is not completed by 15 November, your manuscript will be handled as rejection. For page charges, please visit http://www.ieice.org/eng/shiori/page2_ess.html#5-1-b.

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- (1) At least one of the authors are required to be the member of IEICE. The submission will be rejected if the condition is not satisfied.
- (2) Please refer to the link http://www.ieice.org/eng/join_ieice/index.html for the membership information.
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