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:

2. SpaCCS 2018 in December 2018 in Melbourne, Australia (http://www.sparcs.org/SpaCCS2018/),

**Topic**

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- 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**

**Part 4: Trust**

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