Editor's Message to Special Issue of Network Services and Distributed Processing

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Society 5.0, which was proposed in the 5th Science and Technology Basic Plan as a future society that Japan should aspire to, is defined as a human-centered society that balances economic advancement with the resolution of social problems by a system that highly integrates cyberspace and physical space. To realize Society 5.0, Cyber-Physical Systems (CPS) must be penetrated in various fields and locations, hence we need technological advances on IoT, networking, artificial intelligence, distributed computing and service provisioning as well as security and privacy protection technologies.

Based on this background, we planned a special issue entitled "Network Services and Distributed Processing" in 2019. This special issue solicited submissions about research studies on various technologies to realize CPS, aiming to grasp the state-of-the-art and promote the progress in the research field of network services and distributed processing.

The editorial committee of this special issue is mainly organized by the committee members of Special Interest Group on Distributed Processing System (IPSJ SIG-DPS). The Editorial Committee received 18 submitted papers and accepted 14 papers among many high-quality submissions (77.8% acceptance rate).

The accepted papers cover a wide research area in "network services and distributed processing," including sensing, networking, distributed computing and security, and discuss important research issues essential for realizing CPS. Especially, it should be noted that some of the accepted papers propose interesting approaches that apply machine learning algorithms to networking and security problems and data collection and analysis techniques to precision agriculture.

Finally, I would like to thank Yusuke Gotoh, editorial board, and other editorial committee members for their enthusiastic contribution to the entire planning and reviewing process.

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