Call for Papers

------- Special Section on Network Virtualization, Network Softwarization, and Fusion Platform of Computing and Networking -------

The IEICE Transactions on Communications announces that it will publish a special section entitled "Special Section on Network Virtualization, Network Softwarization and Fusion Platform of Computing and Networking" in November 2017.

While ICT (Information and Communication Technologies) have become indispensable social infrastructure for supporting our social and economic activities, its various issues have been also addressed in various areas, such as flexibility to meet demands from many users, scalability to make ICT infrastructure grow involving new functionalities and technologies, efficiency in management of large scale services and heterogeneous infrastructure.

Advanced network virtualization and softwarization are the keys to realizing next generation ICT infrastructure and expected to realize future infrastructure such that, customizable to meet a wide variety of end-user demands, scalable in accordance with service volume, efficient in resource management for heterogeneous environment, sustainable to involve new functionalities and technologies. Network virtualization and softwarization have been studied for various areas such as cloud systems, core-networks, edge-networks, access-networks, mobile-networks, and their fusion infrastructure. Range of the fusion will be getting broader. Open-source software development will play an important role in such future ICT, because of its wider consideration and contribution from broad area of developers including SW/HW benders, ICT service providers, and end-users.

We thus call for publications (scheduled to appear in the November 2017 issue) for promoting discussion and development of technologies on advanced network virtualization, softwarization and on fusion of computing and networking. This special section solicits not only the standard full papers but also position papers describing innovative ideas.

1. Scope
This special section aims at timely dissemination of research in these areas. Possible topics include, but are not limited to:
- Network virtualization architecture for enabling multiple customized networks
- Innovative applications based on network virtualization
- Fusion of networking and computing
- Software Defined Network
- Network softwarization and open-source network softwarization
- Software defined infrastructure
- Operation and management of integrated multi-layer networks and network virtualization
- Resources monitoring for network virtualization
- Data Center Networking based on network virtualization
- Operating systems and network virtualization
- Security for network virtualization and secure services
- Testbeds for above technologies and experimental results

2. Submission Instructions
The standard number of pages is 8. The page charges are considerably higher for extra pages. Submissions of “letters” are not accepted. Manuscripts should be prepared according to the guideline in the "Information for Authors”. The latest version is available at the web site, http://www.ieice.org/eng/shiori/mokuji_cs.html. The period for revising the manuscript after acknowledgement of conditional acceptance for this special section could be shorter than that for regular issues (60 days) because of the tight review schedule.

This special section will accept only papers by electronic submission. Submit a manuscript and electronic source files (LaTeX/Word files, figures, authors’ photos and biography) via the IEICE Web site https://review.ieice.org/regist regist baseinfo e.aspx by December 12th, 2016 (JST). Authors should choose the Network Virtualization, Network Softwarization, and Fusion Platform of Computing and Networking as a "Journal/Section" on the online screen. Do not choose [Regular-EB].

Contact point:
Yohei Hasegawa
Systems Platform Research Laboratories, NEC Corporation
Tel: +81-44-396-2772, Email: nv+eb2017@mail.ieice.org

3. Special Section Editorial Committee
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