

## ----- Special Section on Enhancing Information Centric Networking Technologies Towards Real-world Infrastructure -----

The IEICE Transactions on Communications announces that it will publish a special section entitled "Special Section on Special Section on Enhancing Information Centric Networking Technologies Towards Real-world Infrastructure " in the September 2019 issue.

As a future Internet technology, researches on Information Centric Networking (ICN) are being active globally, which uses information or content itself as an identifier of communication instead of IP addresses. Currently most of research and development on ICN are considered as an individual exploratory research, however, it is expected to promote R&D activities to shift toward future real-world ICN infrastructure. In this respect, approaches are required from interdisciplinary research fields including applications and use cases, large scale experiments, deployment, operations, and management. Therefore, a special section is being planned (scheduled to appear in the September 2019 issue) to further promote research and development of ICN for future networks.

### 1. Scope

This special issue aims to identify emerging research topics regarding Information Centric Networking. The topics covered by this special issue include, but not limited to, the following topics. Also, closely related topics such as content-based networks including CDN (Content Delivery Network), content-based dissemination, and/or contents acquisition are welcome.

- **Information-Centric Networking Applications**  
M2M, IoT, Home Networks, Sensor Networks, Cyber Physical Systems, Testbeds
- **Information-Centric Networking Architecture**  
Information-Centric Networking Architecture Design, Content-based Routing, In-network Caching, Autonomous Distributed System, Edge/Fog Computing, Cloud, Energy Aware Networks, Pub/Sub
- **Information-Centric Networking Principles**  
Content-based Measurement and Analysis, Content Provisioning, BigData Processing, Social Network Analysis, Network Performance Evaluation, Modeling Information-Centric Networks
- **Information-Centric Networking Substrate Technologies**  
Name Resolution Protocols, Packet Processing, Node Architecture, Content Mobility, Content Access Controls, Privacy and Security, ID/Locator Separation, Transport Techniques, Flow Controls

### 2. Submission Instructions

The standard number of pages is 8. The page charges are considerably higher for extra pages. 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](http://www.ieice.org/eng/shiori/mokuji_cs.html). The term 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 papers only by electronic submission. Submit a manuscript and electronic source files (LaTeX/Word files, figures, authors' photos and biographies) via the IEICE Web site [https://review.ieice.org/regist/regist\\_baseinfo\\_e.aspx](https://review.ieice.org/regist/regist_baseinfo_e.aspx) by **October 5, 2018 (JST)**. Authors should choose the Enhancing Information Centric Networking Technologies Towards Real-world Infrastructure as a "Journal/Section" on the online screen. Do not choose [Regular EB].

**Contact point:**  
**Tomohiko Yagyu**  
**NEC Corporation**  
**Tel: +81-44-396-3419, E-mail: eb-icn2019@mail.ieice.org**

### 3. Special Section Editorial Committee

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