

## Call for Papers

# ----- Special Section on the Architectures, Protocols, and Applications for the Future Internet -----

The Institute of Electronics, Information and Communication Engineers (IEICE) announces a forthcoming special section on "The Architectures, Protocols, and Applications for the Future Internet" to be published in May 2019 as a special section of Transactions on Information and Systems. The objective of this special section is to publish and overview recent progress in the interdisciplinary area of the Internet technologies and their various applications for diversified future.

## 1. Scope

- (1) Internet architecture and protocols  
Wireless, mobile, ubiquitous and/or ad-hoc networking, Autonomous and/or distributed routing, Transport Protocol, Robust, adaptive and QoS aware traffic control, Datacenter networking, Network virtualization, SDN (Software Defined Networking)/NFV(Network Function Virtualization), Sensor networking, ITS (Intelligent Transport System), ID/location separation, Content-centric networking, Delay tolerant networking
- (2) Network computing and applications  
Distributed computing, GRID computing, Cloud Computing, Social Networking, Network infrastructure for big data, Edge computing, IoT (Internet of Things), Cyber physical system, Smart grid, Network and applications for ecology, Cooperation between applications and networking, Network infrastructure for telework, Network technology for distributed knowledge discovery
- (3) Internet operation and management  
Analysis method and amelioration technology for customer satisfaction, QoS/QoE management, tele-presence, Digital rights management (DRM), Architecture and/or protocols for content distribution network (CDN), Integration of communication and broadcasting
- (4) Internet security and impact of Internet technology to human society  
Secure protocols, Firewall technology, Packet filtering technology, Intrusion detection, Packet tracing technology, Authentication/Authorization (including PKI), Network security from social aspect, Internet for education, medical treatment, welfare, commerce and dealing with disasters, Education for information ethics

## 2. Manuscript for Special Section

A manuscript of this special section shall follow the guidelines for the regular section (the length is recommended within 8 printed pages for a paper, 2 printed pages for a letter). See "Information for Authors" ([http://www.ieice.org/eng/shiori/mokuji\\_iss.html](http://www.ieice.org/eng/shiori/mokuji_iss.html)) for details. The time period for re-submission after the first review notification (60 days for the regular section) may be shortened. The IEICE Transactions on Information and Systems is an open access journal. All papers published in the IEICE Transactions on Information and Systems are accessible via the J-STAGE (<https://www.jstage.jst.go.jp/browse/transinf/>).

## 3. Submission Instructions

This special section will accept only manuscripts by electronic submission. Prospective authors are requested to follow carefully the submission process described below.

Submit a paper and transfer copyright of the paper using the IEICE Web site

[https://review.ieice.org/regist/regist\\_baseinfo\\_e.aspx](https://review.ieice.org/regist/regist_baseinfo_e.aspx). Authors should choose the [Special-NT] **The Architectures, Protocols, and Applications for the Future Internet** (not yet listed) as a " Journal/Section " on the online screen. **Do not choose** [Regular-ED].

## 4. Submission Deadline

**August 10, 2018** **August 23, 2018**

## 5. Contact Point

Tomoki Yoshihisa

Cybermedia Center, Osaka University

TEL/FAX: +81-6-6879-7955 E-mail : [ia-ed2018-sec@mail.ieice.org](mailto:ia-ed2018-sec@mail.ieice.org)

## 6. Editorial Board for this Special Section

Guest Editor-in-Chief: Tomoki Yoshihisa (Osaka Univ.)

Guest Editorial Manager: Masahiro Jibiki (National Institute of Information and Communications Technology)  
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## 7. Remarks

\* Authors must agree to the "Copyright Transfer and Page Charge Agreement" via electronic submission.

\* **Upon accepted for publication, all authors, including authors of invited papers, should pay the page charges covering partial cost of publication around January 2019. If payment is not completed by 15 February, 2019, your manuscript will be handled as rejection.**

\* At least one of the authors must be an IEICE member when the manuscript is submitted for review. Invited papers are an exception. We recommend that authors unaffiliated with IEICE apply for membership. For membership applications, please visit the web-page,

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