



Call for Papers

<http://www.ieee-hpsr.org/>

IEEE 17th International Conference on High Performance Switching and Routing

The 2016 IEEE 17th International Conference on High Performance Switching and Routing (HPSR-2016) will be held at Keio University, Hiyoshi campus, Yokohama, Japan from June 14 to 17, 2016. The conference is sponsored by the IEEE Communications Society and the IEICE Communications Society. This conference will be co-located with 12th International Conference on IP+Optical Network (iPOP).

Keio University is the oldest private university in Japan. Yokohama is a major port city on the south of Tokyo. Past HPSR events were held in Heidelberg (2000), Dallas (2001), Kobe (2002), Torino (2003), Arizona (2004), Hong Kong (2005), Poznan (2006), New York (2007), Shanghai (2008), Paris (2009), Dallas (2010), Cartagena (2011), Belgrade (2012), Taipei (2013), Vancouver (2014), and Budapest (2015).

IEEE HPSR will address numerous challenges of today's data networks, which are being subject to significant changes driven by cloud computing, Internet of things and other new concepts. As a result, new technologies are needed to efficiently and effectively cope with the resulting traffic demands. It is important that researchers gather to share their ideas and progress in solving these future challenges that the Internet as a whole is facing. Most notably, these challenges include narrowing the digital-divide between industrialized and developing countries, offering to the latter all the advantages that come with access to high-speed Internet and the services it provides; handling the bandwidth and delay requirements of multimedia services, P2P, and cloud computing applications; deploying IPv6 and providing smooth migration from IPv4; deploying large datacenters and enhancing their switching capabilities; and achieving high energy efficiency in switching and routing equipment. These are only some of the factors that are driving the demand for switching and routing capabilities that are more intelligent, efficient, and reliable than ever before. Examples of research areas considered in IEEE HPSR 2016 include:

- Architectures of high-performance switches and routers
- High-speed packet processors
- Address lookup algorithms
- Packet classification, scheduling, and dropping
- Switching, bridging, and routing protocols
- Latency and buffer control
- Multicasting
- P2P routing
- Routing in wireless, mobile and sensor networks
- Optical switching and routing
- Switching, bridging, and routing for datacenters and cloud applications
- Software defined networking
- Data placement and migration
- Multiprocessor networks
- Network management
- Pricing, accounting, and charging
- QoS and scalability of switching, bridging, and routing
- Traffic characterization and engineering
- Power-aware switching, bridging, and routing protocols
- Network security

Paper submission guidelines

Submitted papers must be unpublished and should not be under review elsewhere at the same time. Accepted papers should not exceed 6 pages in the two-column IEEE Transactions style. Accepted papers longer than 6 pages will be charged \$100 for each extra page (it may be paid in Japanese Yen). Papers cannot be longer than 8 pages. Poster papers are limited to 2 pages in the two-column IEEE Conference style. Papers should be submitted as PDF files through the EDAS system (<https://edas.info/newPaper.php?c=21459>). All submitted papers will be subject to a minimum of three independent reviews.

Important Dates

Paper submission due (extended): February 27, 2016

Acceptance notifications: April 11, 2016

Camera-ready due: April 25, 2016

Author registration due: April 25, 2016

Conference date: June 14-17, 2016

Chairs and Committees

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IEEE and IEEE Communications Society Policies

To ensure appropriate consideration of conflicts of interest during the review process, the ComSoc prohibits changes to the list of authors once a paper has been submitted for review during review, revision, or (if accepted) final publication. The author list may be changed only prior to the submission deadline.

Additional paper submittal instructions can be found on the conference Web site: <http://www.ieee-hpsr.org/>.

To be published in the IEEE HPSR 2016 Conference Proceedings and to be eligible for publication in IEEE Xplore®, an author of an accepted paper is required to register for the conference at the full (member or non-member) rate and the paper must be presented by an author of that paper at the conference unless the TPC Chairs grant permission for a substitute presenter arranged in advance of the event and who is qualified both to present and answer questions. Non-refundable registration fees must be paid prior to uploading the final IEEE formatted, publication-ready version of the paper. For authors with multiple accepted papers, one full registration is valid for up to 2 papers.