

**QTNA**  
**2018**  
July 25-27, 2018  
Tsukuba, Japan

# 13th International Conference on Queueing Theory and Network Applications

<http://infoshako.sk.tsukuba.ac.jp/~qtna2018/>

The 13th International Conference on Queueing Theory and Network Applications (QTNA2018) is a continuation of the series of successful QTNA conferences-QTNA2006 (Seoul, Korea), QTNA2007 (Kobe, Japan), QTNA2008 (Taipei, Taiwan), QTNA2009 (Singapore), QTNA2010 (Beijing, China), QTNA2011 (Seoul, Korea), QTNA2012 (Kyoto, Japan), QTNA2013 (Taichung, Taiwan), QTNA2014 (Bellingham, USA), QTNA2015 (Hanoi, Vietnam), QTNA2016 (Wellington, New Zealand) and QTNA2017 (Qinhuangdao, China).

The QTNA2018 conference will be held on July 25-27, 2018, at Tsukuba Science City, Japan. QTNA2018 aims to promote the knowledge and development of high-quality research on queueing theory and its applications to networks and other related fields. It brings together researchers, scientists and practitioners from the world and offers an open forum to share the latest important research accomplishments and challenging problems in the area of queueing theory and network applications. The conference will cover all the key topics in queueing theory and network applications.

## Honorary Chair

Hisashi Kobayashi, *Princeton University, USA*

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## Members of OC, TPC and LOC Committees

See: *QTNA2018's HP*

## Technical Co-Sponsorship:

Springer Lecture Notes in Computer Science (LNCS).

## Conference contact:

[qtna2018@sk.tsukuba.ac.jp](mailto:qtna2018@sk.tsukuba.ac.jp)

**Scopes of QTNA2018:** The presentations and papers are expected to cover but not limited to the following areas:

- Queueing analysis of cloud services and computing
- Queueing analysis of scheduling policies
- Queues in healthcare systems
- Markov decision processes in queueing systems
- Analysis of multi-class queueing networks
- Game theory in queueing systems
- Fluid and diffusion approximation in queueing networks
- Performance analysis and evaluation of networks
- Design and capacity planning of networking models
- Stochastic models for Internet of Things (IoT)
- Traffic management and routing
- Traffic measurement and data analysis
- Design and management of networks
- Source modeling for multi-media traffic and web-based applications
- Performance evaluation and simulation tools
- Simulation and experimental validation of networks
- Simulation of stochastic models
- Large deviation theory
- Cost benefit analysis and economic impact of networks
- Optimization of stochastic systems

**Paper Submission:** **Full LNCS papers** (12+ pages) and **Short LNCS papers** (6-11 pages) in Springer LNCS format, and **Short papers** (2-5 pages including abstract, results and references in Conference format) are welcome. Papers must be submitted through **EasyChair**: <https://www.easychair.org/conferences/?conf=qtna2018>.

You can choose your paper(s)' type(s) when you submit. Please refer to QTNA2018's HP about details of the papers' submission.

All accepted full LNCS papers and short LNCS papers will be included in Springer LNCS Proceedings. The Springer LNCS Proceedings in printed and the conference brochure including the abstracts of accepted full LNCS papers, short LNCS papers, and short papers with conference program in electronic version will be distributed to all participants at the conference site. At least one of the authors of each accepted paper must register by the deadlines and present at QTNA2018 in order for the final paper version to appear in the LNCS proceedings and the conference brochure.

**Special Sessions:** Proposals for special sessions are also welcome. Please send the proposal with a list of potential presentations and a subject "QTNA2018 Special Sessions" to [qtna2018@sk.tsukuba.ac.jp](mailto:qtna2018@sk.tsukuba.ac.jp). Submissions of the papers of the accepted special sessions should follow **Paper Submission** above.

## Post-Conference Publishing

Authors of papers presented at QTNA2018 are cordially invited to submit the extended versions of their conference papers for consideration for possible publication in JIMO as regular papers. All submissions will be subject to the same peer reviewing process.

## Important Dates:

### Paper Submission Due:

**Full and Short LNCS Papers:**

**March 5, 2018**

**Short Papers: March 19, 2018**

### Acceptance Notification:

**Full and Short LNCS Papers:**

**April 9, 2018**

**Short Papers: April 30, 2018**

### Camera-Ready Papers and Registration Due:

**Full and Short LNCS Papers:**

**April 30, 2018**

**Short Papers: June 5, 2018**

 Springer

 Lecture Notes in  
Computer Science  
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