



August 21-23, 2017
Yanshan University
Qinhuangdao, China

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Paper Submission

Important Dates

1. Submission Deadline:
~~May 15, 2017~~
June 10, 2017
2. Notification Date:
~~June 15, 2017~~
July 1, 2017
3. Camera Ready:
~~July 10, 2017~~
July 25, 2017
4. Registration Deadline:
July 25, 2017



Welcome to QTNA2017 Homepage!

The 12th International Conference on Queueing Theory and Network Applications (QTNA2017) 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) and QTNA2016 (Wellington, New Zealand).

The QTNA2017 conference aims to promote the knowledge and the development of high-quality research on queueing theory and its applications in 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, communication networks and other scientific areas.

The QTNA2017 conference was held in Qinhuangdao, China, August 21-23, 2017. The conference was co-organized by Yanshan University, China.

LNCS Proceedings by Springer:

The full papers accepted have been published in QTNA2017-LNCS (Lecture Notes in Computer Science) Proceedings by Springer. The free access for conference-participants will be granted from November 24, 2017 till December 24, 2017.

Post-Conference Publishing:

Authors of the papers accepted and also presented at QTNA2017 are cordially invited to submit the extended version of their papers to the special issues on ISI-indexed journals:

- [Journal of Industrial and Management Optimization \(JIMO\)](#), AIMS
- [Journal of Systems Science and Systems Engineering \(JSSSE\)](#), Springer

Scope

The presentations and papers are expected to cover but not limited to the following areas:

Queueing Theory and Related Areas

- Matrix analytic methods
- Random walk method
- Tail asymptotic in queueing models
- Large deviation theory in queueing systems
- Analysis of multi-class queueing network
- Optimization of queueing systems
- Simulation of queueing models
- Capacity planning methods
- Source modeling for multi-media traffic and web-based applications
- Traffic measurement and data analysis
- Markov decision processes in queueing networks
- Game theory in queueing systems
- Queueing analysis in cloud service and computing
- Queues in healthcare system
- Fluid & diffusion approximation in queueing networks
- Stochastic equation techniques in queueing system

Network Applications

- Performance modeling and analysis of telecommunication networks
- Congestion and flow control
- Traffic management and routing
- Design and system management of communication networks
- Multimedia based systems design, configuration and impact
- Cost benefit analysis and economic impact of telecommunication systems
- Mobile/wireless and satellite communication systems
- Traffic models of voice, video and streaming
- Manufacturing systems and transportation networks
- QoS of VoIP
- Ad-hoc and sensor networks
- Peer-to-peer communication
- Performance of autonomic and ambient networks



Yanshan University



Academy of Mathematics and Systems Science,
Chinese Academy of Sciences



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