



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, networks and other scientific areas. Technical Co-Sponsorship: Springer Lecture Notes in Computer Science (LNCS).

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Scopes of QTNA2017

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 methods
- Tail asymptotic in queueing models
- Large deviation theory in queueing systems
- Analysis of multi-class queueing networks
- 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
- Markov decision processes in queueing networks
- Stochastic equation techniques in queueing systems

• 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

Deadline for Paper Submissions: May 15	Notification of Acceptance: June 15	Camera Ready & Copyrights: July 10
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Full papers, short papers and experience papers are available. Papers must be submitted through the conference website <https://www.easychair.org/conferences/?conf=qtna2017>. You can choose your paper(s)' type(s) when you send. Please refer to QTNA2017's HP about details of the papers' submission. All accepted full papers will be included in the Springer LNCS post-Proceedings. Electronic version of the proceedings with abstracts of full papers, short papers and experience papers will be distributed to all participants at the conference. At least one of each accepted submission must register by **July 25, 2017** in order for the final paper version to appear in the conference proceedings or conference program brochure.

Post-Conference Publishing

After the conference, those regular papers accepted for presentation are invited to submit their extended versions as the Post-Conference Publishing of QTNA2017 in the Journal of Industrial and Management Optimization (JIMO).