

Call for Papers
Journal of Systems Science and Systems Engineering
<http://www.springer.com/engineering/computational+intelligence+and+complexity/journal/11518>

Special Issue: Queueing Systems and Engineering Applications

Guest Editors: **Wuyi Yue** and **Yutaka Takahashi**

The *Systems Science and Systems Engineering* seeks submissions for a special issue on *Queueing Systems and Engineering Applications*. The deadline for submission is **October 23, 2017**.

This is a call for papers that make a significant contribution to the topic **Queueing Systems and Engineering Applications**. We would like to encourage all participants of the 12th International Conference on Queueing Theory and Network Applications (QTNA2017) to submit extended versions of their presented papers. Papers will be subject to a strict review process managed by the Guest Editors and accepted papers will be published online individually, before print publication.

Instructions for authors can be found at:

<http://www.springer.com/engineering/computational+intelligence+and+complexity/journal/11518>

Please submit your paper(s) to both:

Professor Wuyi Yue (e-mail yue@konan-u.ac.jp)

Professor Yutaka Takahashi (e-mail takahashi@i.kyoto-u.ac.jp)

no later than **October 23, 2017**.

Important Dates:

October 23, 2017: Deadline for submitting revised and extended manuscripts

April 30, 2018: Final acceptance notification

June 4, 2018: Deadline for sending final manuscripts

Main Topics of Interest:

- Performance analysis and evaluation of network systems
- Networks for disaster response and recovery

- Traffic management and routing
- Design and management of system engineering
- Cost benefit analysis and economic impact of systems engineering
- Simulation and experimental validation of engineering systems
- Autonomic and ambient networks
- Queueing analysis of scheduling policies
- Large deviation theory
- Analysis of multi-class queueing networks
- Optimization of stochastic systems
- Simulation of stochastic models
- Capacity planning methods
- Traffic measurement and data analysis
- Performance evaluation and simulation tools
- Queueing analysis of cloud services and computing
- Queues in healthcare systems
- 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
- Fluid & diffusion approximation in queueing networks
- Stochastic equation techniques in queueing systems