Call for Papers
Annals of Operations Research
Special Issue: Queueing Theory and Network Applications

_____

The *Annals of Operations Research* seeks submissions for a special issue on *Queueing Theory and Network Applications.* The deadline for submission is March 31, 2017.

This is a call for papers that make a significant contribution to the topic **Queueing Theory and Network Applications**. It is open to all researchers of this area. We would like to encourage, in particular, all participants of the 11th International Conference on Queueing Theory and Network Applications (QTNA2016) to submit extended versions of their presented papers.

The main topics of interest are:

Queueing Theory and Related Areas
- Matrix analytic methods
- Queueing analysis of scheduling policies
- Tail asymptotic in queueing models
- Large deviation theory
- Analysis of multi-class queueing networks
- Optimization of queueing systems
- Simulation of queueing models
- Capacity planning methods
- Source modelling for multi-media traffic and web-based applications
- Traffic measurement and data analysis
- Performance evaluation and simulation tools
- Queueing analysis in cloud service
- Queues in healthcare system
- Queues in cloud computing

Network Applications
- Internet of Things
- Software Defined Networking
- Performance modelling and analysis of telecommunication networks
- Networks for disaster response and recovery
- 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
- Simulation and experimental validation of networks
- Ad-hoc and sensor networks
- Peer-to-peer communication
- Autonomic and ambient networks

Instructions for authors can be found at:

Authors should submit a cover letter and a manuscript by February 28, 2017 via the Journal's online submission site: http://www.editorialmanager.com/anor/default.aspx . Manuscripts submitted after the deadline may not be considered for the special issue.

Please see the Author Instructions on the web site if you have not yet submitted a paper through Springer's web-based system, *Editorial Manager*. Be sure to note when leaving a comment that your work is intended for the special issue and to select the article type " ***Queueing Theory and Network Applications***".

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.

Guest Editors:

Yutaka Takahashi
Wuyi Yue
Tuan Phung-Duc