Objective

The 6th International Conference on Queueing Theory and Network Applications (QTNA2011) will be held in Seoul, Korea on Aug. 23-26, 2011. The conference is a continuation of the series of successful conferences - QTNA2006 (Korea), QTNA2007 (Japan), QTNA2008 (Taiwan), QTNA2009 (Singapore), and QTNA2010 (China). QTNA2011 is a conference for the dissemination of state-of-the-art research on queueing theory and its applications in networks and related issues. The aim of the conference is to bring together researchers, scientists and practitioners from the world to identify important and challenging problems and issues in the area of queueing theory and network applications and work together to discover feasible solutions for these problems. The conference will cover all the key topics in queueing theory, communication networks and other related areas. It will provide an in-depth representation of theory and practice in these areas.

First Call for Papers

You are invited to participate in the QTNA2011 in Seoul, Korea, on Aug. 23-26, 2011

Hosted by
Korea University, Korea

In cooperation with
Sungkyunkwan University, Korea

Sponsored by
Telecommunication Mathematics Research Center (TMRC), Korea University
Institute of Basic Science, Korea University
Beijing Operations Research Society (BOR)
IICT of Konan University, Japan
International Communication Science & Technology Association
Korean Operations Research and Management Science Society
National Natural Science Foundation of China (NSFC)
Operational Research Society of Hong Kong (ORSHK)
Operations Research Society of China (ORSC)
Operations Research Society of Japan (ORSJ)
Operations Research Society of Taiwan (ORSTW)

Scope

Submissions from both industry and academia on all topics related to queueing theory and stochastic modeling and design techniques for all kinds of systems are welcome. The topics include, but are not limited to:

- Matrix analytic methods
- Queueing analysis of scheduling policies
- Tail asymptotics in queueing models
- Large deviation theory
- Analysis of multi-class queueing networks
- Optimization of queuing systems
- Simulation of queueing models
- Capacity planning methods
- Source modeling for multi-media traffic
- Traffic measurement and data analysis
- Algorithms for self-organized optimization
- Performance evaluation and simulation tools
- Traffic models of voice, video and streaming
- Mobile/wireless and satellite communication systems
- Performance modeling and analysis of telecommunication networks
- Cognitive radio 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
- Ad-hoc and sensor networks
- Peer-to-peer communication
- Performance of autonomic and ambient networks
Important Dates

- Abstract and Title Registration: April 20, 2011
- Paper Submission: May 1, 2011
- Acceptance Notification: June 21, 2011
- Camera-Ready: July 22, 2011

Submission Information

Papers must be submitted through the conference website http://math.korea.ac.kr/~qtina2011. All accepted papers will be included in the conference proceedings. Electronic version of the proceedings will be distributed to all participants at the conference. After the conference, those regular papers accepted for presentation are invited to submit their extended versions as the Post-Conference Publishing of QTNA2011 in the Journal of Industrial and Management Optimization (JIMO). You are also welcome to organize special sessions, with 4-5 papers in each session, dedicated to a topic of your interest. Please email your proposal to qtna2011@korea.ac.kr. It will be forwarded to the program chairs. An accepted paper will be included in the proceedings only if at least one of the authors registers by July 25, 2011.

Tour Information

Seoul

Seoul is the capital of Korea. The word ‘Seoul’ means capital in traditional Korean. Seoul is a city in which the Han River flows through, from east to west, and is surrounded by great mountains, and the city contains both history and tradition, as well as the latest IT technology, making it a kind of a city which is quite rare anywhere on the globe. Seoul is a city of various culture and variation. The city has over 700 museums, including the National Museum and the National Folk Museum, which all contain countless number of articles, a number of performance centers, such as the Sejong Center for Performing Arts, National Theater and more, and has over 400 galleries which all the people to see various art works. In Seoul, various traditional or traditional aristocratic culture can be met. One can enjoy traditional festive dances and palace food to feel like the king of “Choseon, the nation of quiet morning,” and one can also experience the life of the past in the Bukcheon traditional house (Hanok) Town of the Choseon dynasty. Tradition is not the only thing which can be met in Seoul. There is a wide range of modern and fusion culture of the West and the East, along with up-to-date, cutting edge technology, and a number of world class performances can be enjoyed in Seoul as well.

Gyeongju

As the capital of the Silla Kingdom for almost a thousand years, Gyeongju preserves vast amount of significant and fascinating historical heritages. Along with Bulguksa Temple and Seokguram Grotto, the Gyeongju Historical District has been designated as a World Heritage by UNESCO. Due to the bountiful historical, natural and cultural attractions, this region has long been a major tourist destination in Korea.