ISORA-QTNA2020
August 19-23, 2020
Xi'an, Shaanxi, China

Call for Papers

General Information

ISORA-QTNA2020, the 14th International Symposium on Operations Research and Its Applications (ISORA) and the 15th International Conference on Queueing Theory and Network Applications (QTNA) will be jointly organized by Asia-Pacific Operations Research Center (APORC) under APORS and the Operations Research Society of China, to be held in Xi'an, Shaanxi Province in China, from August 19 (Wednesday) to 23 (Sunday), 2020.

The first ISORA conference took place at Beijing in 1995 and the second was held at Guilin in 1996 in China. From the third, ISORA1998 (Kunming), ISORA2002 (Yichang-Chongqing), ISORA2005 (Tibet), ISORA2006 (Xinjiang), ISORA2008 (Lijiang), ISORA2009 (Zhangjiajie), ISORA2010 (Chengdu-Jiuzhaigou), ISORA2011 (Dunhuang), ISORA2013 (Huangshan), ISORA2015 (Luoyang), ISORA2018 (Guiyang) in China.

The first QTNA conference took place at Seoul, Korea in 2006. Then QTNA has been held every year: 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), QTNA2016 (Wellington, New Zealand), QTNA2017 (Qinhuangdao, China), and QTNA2018 (Tsukuba, Japan), QTNA2019 (Ghent, Belgium).

This celebrated joint conference ISORA-QTNA2020 is for both ISORA and QTNA community. We hope that this collaboration will become a milestone for our research activity related to ISORA's topics and QTNA's topics.

For more information, please visit:
http://www.aporc.org/ISORA-QTNA/2020/

Organization

Honorary Chairs
Xiang-Sun Zhang
Chinese Academy of Sciences, China
Tatsuo Oyama
National Graduate Institute for Policy Studies, Japan

General Chairs
Xiaodong Hu
Chinese Academy of Sciences, China
Wuyi Yue
Konan University, Japan

Technical Program Committee of ISORA Chairs

Ling-Yun Wu
Chinese Academy of Sciences, China

Shuping Gao
Xidian University, China

Technical Program Committee of QTNA Chairs

Yutaka Takahashi
Kyoto University, Japan

Tuan Phung-Duc
University of Tsukuba, Japan

Local Organizing Committee Chairs

Degang Liu
Chinese Academy of Sciences, China

Yong Wang
Chinese Academy of Sciences, China

Aim of the Conferences

ISORA is a series international symposium with goals to provide an international forum for scientists, researchers, educators, and practitioners in OR/MS to exchange ideas and approaches, to present research findings and state-of-the-art solutions, to share experiences on potentials and limits, and to open new avenues of research and developments, on all issues and topics related to the theories and applications of Operations Research. The previous ISORAs under the support of CAS and National Science Foundation of China (NSFC) were successful and attracted many international scholars.

The QTNA conference aims to promote the knowledge and development of high-quality research on queueing theory and its applications to networks and other related fields. The conference brings together researchers, scientists and practitioners from over 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 and related applications.

Topics of Interest

Topics in ISORA-QTNA2020 include, but not limited to, those listed in the following:

ISORA Section

Optimization Theory and Applications
Deterministic and Stochastic Models
Big Data Analytics
Algorithms and Design
Logistics Management
Telecommunication Networks
Complex Networks

Emergency and Disaster Management
Health Care Models
OR Applications in Public Sector
OR Practices in Industry, Service, Finance, Business, Military and Biology
Cost Benefit Analysis and Economic Impact

QTNA Section

Queueing Analysis of Cloud Services and Computing
Queueing Analysis of Scheduling Policies
Queues in Healthcare Systems
Markov Decision Processes in Queueing Systems
Analysis of Multi-Class Queueing Networks
Game Theory in Queueing Systems
Markov Analysis of Queueing Systems
Matrix Analytic Methods
Fluid and Diffusion Approximation in Queueing Networks
Performance Analysis and Evaluation of Networks
Design and Capacity Planning of Networking Models
Stochastic Models for Internet of Things (IoT)
Traffic Management and Routing
Traffic Measurement and Data Analysis
Design and Management of Networks
Source Modeling for Multi-Media Traffic and Web-Based Applications
Performance Evaluation and Simulation Tools
Simulation and Experimental Validation of Networks
Simulation of Stochastic Models
Large Deviations Theory
Cost-Benefit Analysis and Economic Impact of Networks
Optimization of Stochastic Systems

Paper Submission

Online Submission (Online Submission System is: Easychair)

Submission Requirements

Original research papers are solicited in all aspects of Operations Research and its Applications in engineering, technology and management (ISORA) or Queueing Theory and Network Applications (QTNA).

The papers should be written in English. While submitting your manuscripts (more than 4 pages including abstract, results and references in Conference format). Only on-line submissions (in pdf format) are acceptable. When the authors submit their papers, they should select which section, ISORA or QTNA to submit.

Publication
(1) Booklet

Including conference program and abstracts of the accepted papers. The booklet will be printed and posted on the conference website.

(2) Proceedings

All submissions will be rigorously reviewed and evaluated on the quality, originality, soundness, and significance of their contributions by TPC members of ISORA or QTNA.

At least one of each accepted paper must register by June 5, 2020 in order for the final paper version to appear in the conference brochure.

All accepted and also presented papers will be included in an electronic version of the conference proceedings with program, provided to all conference participants.

Important Dates
    Paper Submission Due: April 20, 2020
    Acceptance Notification: May 30, 2020
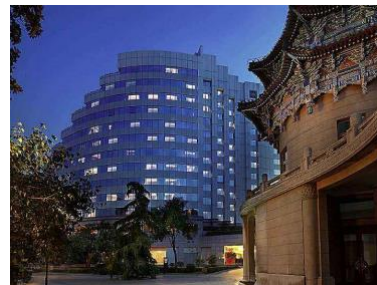   Camera-Ready Papers and Registration Due: June 15, 2020
    Conference: August 19-23, 2020

Early Bird Registration (before June 15) Fee
Early bird registration: USD450 or RMB3200 including technical sessions, coffee breaks, luncheons, reception, banquet, and conference events. Accompany person registration: USD300 or RMB2100 including coffee breaks, luncheons, reception, banquet, and conference events.

About Xi'an
Xi'an, located in central-northwest China, records the great changes of the country just like a living history book. Called Chang'an (meaning the eternal city) in ancient times, it is one of the birthplaces of the ancient Chinese civilization in the Yellow River Basin area. As the eastern terminal of the Silk Road and the site of the famous Terracotta Warriors of the Qin Dynasty, the city has won a reputation all over the world. More than 3,000 years of history including over 1,100 years as the capital city of ancient dynasties, have endowed the city with an amazing historical heritage. Travelers marvel at the numerous historical sites and cultural relics in the city. Attractions within the city of Xi'an include Terracotta Army museum, bell tower, city wall, Muslim quarter, giant wild goose pagoda, etc.

Conference & Hotel Venue (to be finalized)
Sofitel Xi'an on Renmin Square
319 Dongxin Street, Xincheng District Xi'an 710005 China

Transportation
Xi'an is one of the most attractive travel destinations in China. Frequent flights, trains and buses connect the city with other major hub cities all around the world and China. Many direct flights are operating every day linking Beijing, Shanghai, Guangzhou, and Hong Kong. Distance between Xian International Airport and the conference venue hotel is 37.5km, about 1 hour by taxi.

Enquiry:
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