

2019 Annual Report of Operations Research Society of China

The Operations Research Society of China (ORSC) is a national member of IFORS since 1982. It now has more than 2000 registered members and 16 special interest subsocieties/groups that include newly established groups on healthcare, industrial applications, and behavioral OR in recent three years. ORSC will convene its national congress ([ORSC2020](#)) in October at Hefei to celebrate its 40th anniversary.

The following are some ORSC major activities during 2019:

The 12th ORSC National Conference on Optimization

The biennial national congress on optimization was held in Nanjing in April 19-22, which received over 900 participants from all over mainland China, HKSAR, and USA. Among the invited plenary speakers included Prof. Hans D. Mittelmann from Arizona State University, Dr. He Xiudong JD AI Institute deputy director, Prof. Zhou Xuesong from Beijing Transportation Institute, Prof. He Simai from Shanghai University of Finance and Economics, Prof. Fan Jinyan of Shanghai Jiaotong University, and Prof. Zhang Zhao from Zhejiang Normal University. Before the 3-day academic program started, an one-day tutorial on Optimization in Machine Learning and Optimal Mechanics Design was organized.



International Symposium on Frontiers of Operations Research

This symposium was held at Beijing on June 22-23. It was jointly organized by the Chinese Academy of Sciences and the Optimization Subsociety of ORSC. More than 130 faculty members and graduate students from the mainland of China, US, Canada, UK, Australia, and China HK attended the activity. 14 invited speakers presented their research work on combinatorics optimization, variational inequality, continuous optimization, and game theory.



ORSC Conference on Financial Engineering and Financial Risk Management

The conference was held on August 29-30 in Shanghai with 160 participants from 70 universities. 82 papers were presented covering robust portfolios, behavioral finance,

empirical analysis of banks and other financial intermediaries, portfolio models, financial derivatives, optimization problems and methods, dynamic risk management, liquidity and system risk, computational financial methods and their applications , Data analysis and supply chain finance, risk management methods, financial measurement, fintech and risk management, financial simulation and so on. During the conference, Prof. Hu Qiying, Shanghai Fudan University was elected as the chair of the ORSC Financial Engineering Group (sub-society) from 2020-2023.



ORSC Behavioral OR Conference

During Dec 14-15, the ORSC Behavioral OR subsociety held their fourth annual meeting in Beijing, with more than 400 scholars from China, US, and UK attended. As invited speakers, Professor Saif Benjaafar of the University of Minnesota, Professor George Cai of Santa Clara University, Professor Matthew Shum of the California Institute of Technology, Professor Karen Yanchong Zheng of the Massachusetts Institute of Technology, and other outstanding scholars in management focused on behavioral organization and behavioral economics. Keynote reports on academic frontiers in the fields of science, behavioral marketing and behavioral operations management.



The 3rd ORSC Youth Forum on Important OR Problems in Logistics

This thematic forum was organized by the ORSC Youth charter during October 25-27 in Nanjing. About 60 young OR researchers attended the forum. The forum involves many hot topics in the field of logistics technology and operations research, such as data-driven dynamic traffic flow in logistics, the impact of taxation and transfer pricing on the strategic decisions of multinational companies, and subway energy conservation. The forum had posters and discussion sessions. The young scholars at the forum carried out extensive exchanges and discussions on the theme of “New Trends in Optimization Modeling in Logistics and Operations”, which received heated discussions among the young OR scholars.



ORSC Publications

Currently, ORSC have three journals: OR transaction (4 issues/year) and OR/MS (monthly), both publish papers written in Chinese, an English journal of ORSC published quarterly with Springer. This new English journal aims to a world-standard journal in OR related theories and solutions and now it is included in the database of EI. The ORSC calls for excellent original papers from authors in world OR communities. <http://www.springer.com/mathematics/applications/journal/40305>

Editorials of the ORSC journals had several workshops to outreach the publications and seek comments from authors and readers. The workshops were held in Ningxia (June) and Xinjiang (October) in 2019.