

International Journal of Computational Intelligence Systems

Special issue : Call for Papers

Title: Intelligent Decision Analysis and Applications

Guest Editors:

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Aims and Scope

This special issue will provide a systematic overview and state-of-the-art research in the field of Intelligent Decision Analysis, and will outline new and important developments in fundamentals, approaches, models, methodologies, intelligent decision support systems, and applications in this area.

Relevance to this journal

The topic of Intelligent Decision Analysis is a natural fit to the main scope of this journal.

Main topics and quality control

This special issue is dedicated to a set of best papers in the field of Intelligent Decision Analysis that were presented at the International Conference on Big Data and Intelligent Decision held in Jinan, China in May 2019. All papers will be subject to a strict review procedure for inclusion in this special issue based on the following criteria:

1. Quality and originality in theory, approach, and methodology of Intelligent Decision Analysis;
2. Relevance to Intelligent Decision Analysis research area, including
 - a. Intelligent decision theory and methods such as soft computing, granular computing, intelligence computing, complex group decision, decision-making under uncertainty, and behaviour decision;
 - b. Intelligent big data and game analysis: intelligent models of big data analysis, game analysis under uncertainty, intelligent search algorithms, intelligent data mining, network safety analysis, and behaviour games;

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- c. Artificial intelligence and decision-making such as intelligent agents, machine learning, deep learning, intelligent information systems, knowledge discovery and management, and neural networks.
3. Innovative and original applications which exhibit originality of Intelligent Decision Analysis, such as
 - a. Intelligent Decision Analysis for specialized problem-solving and various applications in business, management, education, health, safety, engineering, smart city management, finance, and environment.
4. If the application is successfully implemented, the details of the implementation must be provided.

Important Dates

Submission of papers:	1 September 2019
Notification of review results:	30 October 2019
Submission of revised papers:	30 November 2019
Notification of final review results:	30 January 2020

Short CV of guest editor(s)

Deng-Feng Li was born in 1965. He received the B.Sc. and M.Sc. degrees in applied mathematics from the National University of Defense Technology, Changsha, China, in 1987 and 1990, respectively, and the Ph.D. degree in system science and optimization from the Dalian University of Technology, Dalian, China, in 1995. From 2003 to 2004, he was a Visiting Scholar with the School of Management, University of Manchester Institute of Science and Technology, Manchester, U. K. He is currently a “Changjiang Scholar Distinguished” Professor with the School of Management and Economics, University of Electronic Science and Technology of China, Chengdu, China. He has authored or coauthored more than 300 journal papers and eight monographs. He has **co-edited** two proceedings of the international conferences and won more than 20 academic achievements and awards such as State Natural Science Award and 2013 IEEE Transactions on Fuzzy Systems Outstanding paper award of IEEE Computational Intelligence Society. His current research interests include fuzzy decision analysis, group decision-making, fuzzy game theory, supply chain management, fuzzy sets and system analysis, fuzzy optimization, and differential game theory. He is currently an Editor-in-chief and associate editors for several famous international journals.

Peide Liu was born in 1966. He received the B.Sc. and M.Sc. degrees in signal process from the Southeast University, Nanjing, China, in 1988 and 1991, respectively, and the Ph.D. degree in management science and engineering from the Beijing Jiaotong University, China, in 2001. He is currently a “Leading researcher of Ten-thousand Talent Program”, Professor and Dean with the School of Management Science and Engineering, Shandong University of Finance and Economics, Jinan, China. He has authored or coauthored more than 300 journal papers. His current research interests include fuzzy decision analysis, group decision-making, supply chain management, fuzzy sets and system analysis, and fuzzy optimization. He is also 2018 Highly Cited Researcher by Clarivate Analytics, and currently Associate Editors of Journal of Intelligent and Fuzzy Systems and Technological and Economic Development of Economy.

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Kevin W. Li is a professor of management science in the Odette School of Business at the University of Windsor, Ontario, Canada. Dr. Li obtained his B.Sc. in Control Sciences and M. A. Sc. in Systems Engineering from Xiamen University, China, and Ph.D. in Systems Design Engineering from the University of Waterloo, Canada in 1991, 1994, and 2003, respectively. He was awarded two Invitation Fellowships by the Japan Society for the Promotion of Science (JSPS) and held them in the Department of Value and Decision Sciences at the Tokyo Institute of Technology, June–December 2011 and May–July 2015, respectively. His research spans from logistics and supply chain management, conflict resolution, to decision modelling. His research has been supported by three individual Discovery Grants from the Natural Sciences and Engineering Research Council of Canada (NSERC). He has published more than 50 articles in international refereed journals. Dr. Li serves as an Associate Editor of *Group Decision and Negotiation* and sits on the Editorial Board of several other refereed journals.