



MDSIS 2017

Special Session on Mathematics of Decision Sciences and Information Science

at the 9th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2017)

Kanazawa, Japan, April 3-5, 2017

Conference website: <http://www.aciids.pwr.edu.pl/>

Special Session Organizers

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Objectives and topics

The MDSIS 2017 Special Session at the 9th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2017) has been launched with the goal of bringing together researchers from pure and applied mathematics, operations research and the decision sciences with scholars from social sciences and information sciences. It aims at providing a forum for discussing recent advances and identifying new research challenges in the intersection of the fields, which is marked by the growing field of interactive decision theory, thereby supporting a cross-fertilization of these disciplines. We want to offer an opportunity for researchers and practitioners to identify new promising research directions as well as to publish recent advances in this area. The scope of the MDSIS 2017 includes, but is not limited to the following topics:

- Theoretical framework for decision methods
- Information technology, game theory, economics and social sciences, etc.
- Foundation of decision theory and computer science
- Epistemic approach to game theory
- Logic of decision theory, multi-modal logics, computer logics
- Syntactic and semantics approaches, etc.
- Theory of communication and network and its applications to Computer Science and Decision Science
- Dynamical system of decision process, stochastic processes
- Non-linear analysis and Fixed points theory in Computer Science and Decision Science
- Cloud computing and networks

Important dates

Submission of papers: **31 October 2016 (Hard deadline!!!)**

Notification of acceptance: **1 December 2016**

Camera-ready papers: **15 December 2016**

Registration & payment: **15 December 2016**

Conference date: **3-5 April 2017**

Program Committee (to be invited)

Hakim BENDJENNA (University of Tebessa, Algeria. Computer Science and Decision support system)
Masahiro HACHIMORI (University of Tsukuba, Japan. Discrete Mathematics)
Ryuichiro ISHIKAWA (Waseda University, Japan. Game Theory and Economics)
Masami ITO (Kyoto Sangyo University, Japan. Computer Science)
Yoshihiro HOSHINO (Kagawa University, Japan. Economics)
Evgeny IVASHKO (IAMR KarRC RAS, Russia. Computer Science)
Diang-yu JIANG (Huaihai Institute of Tech., China. Game Theory)
Yuji KOBAYASHI (Toho University, Japan. Algebra and Theoretical Computer Science)
Hidetoshi KOMIYA (Keio University, Japan. Mathematical Analysis and Economics)
Michiro KONDO (Tokyo Denki University, Japan. Mathematical Logics)
Ridda LAOUAR (University of Tebessa, Algeria. Computer Science and Decision support system)
Tiejun Ma (CEEEM, East China University of Sci and Tech., China. Management Science)
Mikio NAKAYAMA (Keio University, Japan. Game theory and Economics)
Hiroyuki OZAKI (Keio University, Japan, Economics)
Rohit PARIKH (CUNY, USA. Mathematical Logic and Decision Theory)
Leon A. PETROSJAN (St.-Petersburg University, Russia. Applied Mathematics)
Vincenzo SCALZO (University of Napoli Federico II, Italy. Game Theory)
Kunitaka SHYOJI (Shimane University, Japan. Algebra)
Krzysztof SZAJOWSKI (Wroclaw University of Tech, Poland. Applied Mathematics)
Wataru TAKAHASHI (Tokyo Institute of Technology, Japan. Mathematical Analysis)
Stefano VANNUCCI (University of Siena, Italy. Applied Mathematics)
Alexander VASIN (Moscow State University, Russia. OR and Economics)
Hongbin YAN (CEEEM, East China University of Sci and Tech., China. Management Science)
Jun ZHANG (University of Kentucky, USA. Computer Science)
Xingzhou ZHANG (Dalian University of Technology, China. Game Theory and Economics)

Submission

All contributions should be original and not published elsewhere or intended to be published during the review period. Authors are invited to submit their papers electronically in pdf format, through EasyChair. All the special sessions are centralized as tracks in the same conference management system as the regular papers. Therefore, to submit a paper please activate the following link and select the track: ***MDSIS 2017: Special Session on Mathematics of Decision Sciences and Information Science.***

<https://easychair.org/conferences/?conf=aciids2017>

Authors are invited to submit original previously unpublished research papers written in English, of up to 10 pages, strictly following the LNCS/LNAI format guidelines. Authors can download the Latex (recommended) or Word templates available at [Springer's web site](#). Submissions not following the format guidelines will be rejected without review. To ensure high quality, all papers will be thoroughly reviewed by the MDSIS 2017 Program Committee. All accepted papers must be presented by one of the authors who must register for the conference and pay the fee. The conference proceedings will be published by Springer in the prestigious series LNCS/LNAI (indexed by ISI CPCI-S, included in ISI Web of Science, EI, ACM Digital Library, DBLP, Google Scholar, Scopus, etc.).