

July 23-25, 2019, Istanbul, TURKEY

Special Session on Data-Driven Decision Making with Uncertainty

Scope and Motivation

The *Special Session on Data-Driven Decision Making with Uncertainty* seeks to have submissions that leverage data-driven approaches including uncertainty to derive effective solutions for business problems, and/or develop new methods associated with the integration of data and models in decision-making problems. Papers to be submitted should examine the data-driven modeling in decision making field to provide new insights for both academia and industry environments.

Interest of Special Session

Relevant topics for Special Session include (but are not limited to) the following:

- Statement of uncertainty: Bayesian probability, random sets, rough sets, fuzzy sets, interval-based models
- Decision making modeling under various types of uncertainty
- Managing uncertainty in decision support systems
- Modeling uncertainty and inconsistency in data-driven systems
- Data-driven models for uncertainty
- Intelligent data analysis and modelling
- Data-driven decision making with uncertainty for several application areas such as healthcare, humanitarian, energy systems, sustainable initiatives, retail operations, logistics and transportation, marketing, e-commerce operations, supply chain management, and management science.

Important Dates

Abstract submission deadline:	January 24, 2019
Full paper submission deadline:	February 21, 2019
Notification of acceptance:	March 15, 2019
Camera-ready paper submission:	March 25, 2019
Authors registration:	March 25, 2019
Conference:	July 23-25, 2019

Paper Submission

All papers accepted for the Special Session will be appeared in the INFUS 2019 proceedings. The authors are required to submit their papers to the Special Session following the steps below:

- Submission by [INFUS 2019 EasyChair Account](#) indicating the name or the code of the Special Session.
- Inform the Special Session Chairs about your submission including the title of paper, author list and affiliation, and the corresponding author.

The session chairs are responsible for the review process of the papers submitted to their sessions via the EasyChair. These papers will be peer-reviewed by at least two reviewers.

About the Conference

The International Conference on Intelligent and Fuzzy Systems-INFUS aims to bridge between fuzzy intelligence and real complex systems via joint research among universities and international research institutions. This year the conference will be held in Istanbul, Turkey on July 23-25 2019.

INFUS 2019 invites submissions related to all aspects of intelligent and fuzzy systems, specially within the research fields, which can be theoretical formalisms, methodologies; algorithms investigation, survey or practical applications. Detailed information can be found at <http://infus.mozaik-test.itu.edu.tr/>

INFUS 2019 proceedings will be published as a book by Springer under "Advances in Intelligent Systems and Computing Series" and will be indexed in Scopus. Moreover, special issues of indexed journals will be devoted to a strictly refereed selection of extended papers presented at INFUS 2019. The journals with publication potential include:

- Journal of Multiple-Valued Logic and Soft Computing (SCI-E),
- Journal of Intelligent and Fuzzy Systems (SCI-E),
- Recent Patents on Engineering (Scopus, EI/Compendex, EBSCO),
- International Journal of Intelligent Computing and Cybernetics (E-SCI),
- International Journal of Risk Analysis and Crisis Response (DOAJ).

Chair and Contact

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