

# INFUS 2023

International Conference on Intelligent and Fuzzy Systems

August 22<sup>nd</sup>-24<sup>th</sup>, 2023 - İstanbul, Türkiye

## Theme Intelligent and Sustainable Future

Intelligence can be used in a wide variety of ways to manage environmental impacts and climate change such as clean sustainable supply chains, environmental monitoring and enforcement, and advanced weather and disaster forecasting. The emergence of artificial intelligence (AI) and its growing impact on many industries require research into how it can be used to achieve the Sustainable Development Goals. Applications of AI can create a sustainable and eco-friendly future. AI is a promising tool for the production of new materials that help in building a sustainable environment. The sustainability of biological diversity is another very important problem since many animal species are extinct or endangered. Therefore, intelligence can be used to study animal behavior patterns. Soil pollution is another important problem today as population growth, intensive farming, and other activities increase day by day. Since food production is the key to sustain human life, we can maintain environmental sustainability by monitoring crops and soils and maximize the crop yields, while having less impact on the environment through AI-augmented agriculture. The excessive consumption of natural resources by humans has a detrimental effect on water resources. The level of garbage accumulating in the oceans is higher than ever before. Artificial intelligence tools should be used to ensure environmental sustainability. Artificial intelligence can be used in automated garbage collection vehicles; it can help solve problems such as illegal fishing and discharge of industrial wastewater into water bodies and illegal dumping of solid wastes into the seas. The use of intelligence for a livable future has become a necessity. A program focusing on intelligence and sustainability future, which is the theme of this year's INFUS 2023 conference, is foreseen. INFUS 2023 aims to bring together the latest theoretical and practical intelligent and fuzzy studies on sustainable future in order to create a discussion environment.

## Keynote Speakers

Prof. Janusz Kacprzyk

Prof. Ajith Abraham

Prof. Vicenç Torra

Prof. Irina Perfilieva

Prof. Krassimir Atanassov

## Important Dates

Special Session Proposals

starts

Deadline

starts

Full Paper Submissions

Deadline

Camera-ready Paper Submission

starts

Deadline

Author Late Registration for Paper Publication in Proceedings

starts

Present Day

January 1<sup>st</sup>, 2023

February 5<sup>th</sup>, 2023

April 3<sup>rd</sup>, 2023

April 15<sup>th</sup>, 2023

May 1<sup>st</sup>, 2023

May 15<sup>th</sup>, 2023

May 31<sup>st</sup>, 2023

Abstract Submissions

starts

Deadline

Early Registration

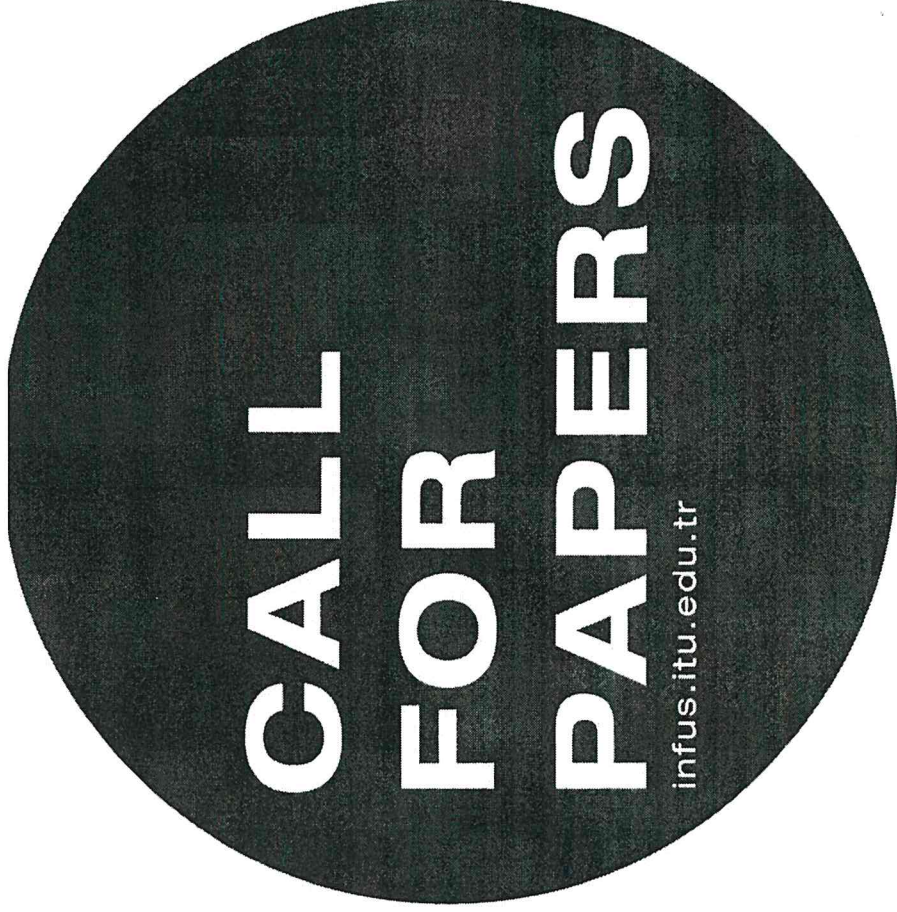
starts

Notification of Full Paper

Acceptance: April 15<sup>th</sup>, 2023

Early Registration

Deadline



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## INFUS Conferences

Let it infuse your scientific life

INFUS is an acronym for Intelligent and Fuzzy Systems. It is an international research forum to advance the foundations and applications of intelligent and fuzzy systems, computational intelligence, and soft computing for applied research in general and for complex engineering and decision support systems. The principal mission of INFUS is bridging the gap between fuzzy & intelligence systems and real complex systems via joint research between universities and international research institutions, encouraging interdisciplinary research and bringing multidisciplinary researchers together.

### Organizing Committee

Conference Chair: Cengiz Kahraman  
kahramanc@itu.edu.tr

Conference Co-Chairs: Abdullah Cagrı Tolga  
Basar Oztaysi  
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Nursah Alkan  
Serhat Aydin  
Zeynep Burcu Kizilkan

Contact information:

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## Proceedings

All accepted papers will be Double Peer Blind Reviewed and the accepted papers will be published as a book by Springer under "Lecture Notes in Networks and Systems" and will be indexed in Scopus, and submitted for consideration in Web of Science.

### Publication Opportunity in Conference Associated Journals

Journal of Multiple-Valued Logic and Soft Computing (SCI-E)

Journal of Risk Analysis and Crisis Response (DOAJ)

Journal of Fuzzy Logic and Modelling in Engineering

Symmetry (SCI-E)

International Journal of Analytic Hierarchy Process (Scopus)

The International Journal of Hybrid Intelligent Systems (IJHIS) (Scopus)

Journal of Information Assurance and Security (ESCI)

Sustainability (SCI-E)

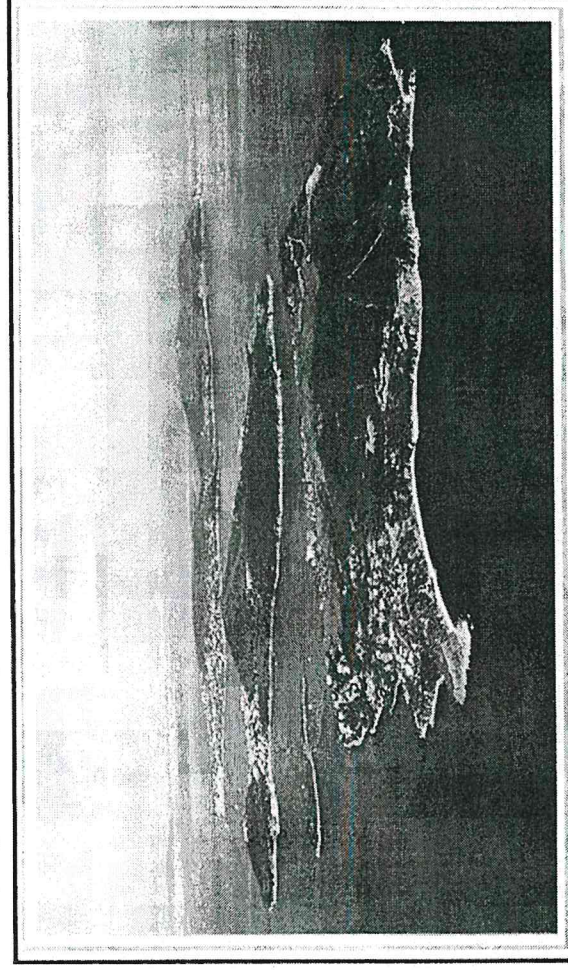
Transaction on Fuzzy Sets and Systems

### Special Sessions

Researchers are invited to submit a one-page proposal for a special session to the conference address [infus@itu.edu.tr]. A special discount in registration fee will also be applied to special session organizers.

### Program and Social Events

A social program will be organized to Princes' Islands.



### International Program Committee

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