IEEE ICAIGE 2023
2023 IEEE International Conference on
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Special Session Proposal

Title

Artificial Intelligence for Intelligent Transportation Systems.

Session organizers

Dr. Fares BOURIACHI ,
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Laboratoire de Recherche en Robotique, Parallélisme et systèmes Embarqués est un laboratoire de la faculté de geine électrique de l'USTHB d'Alger

Fares Bouriachi is a Senior Lecturer at the University of Science and Technology Houari Boumediene. He was born in 1986 in Bouchegouf, Guelma, Algeria. Dr. Bouriachi received his PhD in Automatic, Industrial Computing, and Signal Processing from the University of 8 Mai 1945, Guelma, Algeria. His research interests include Intelligent Transportation Systems (ITS) and traffic signal control, with a focus on developing and implementing advanced technologies of AI to improve traffic flow, reduce congestion, and enhance road safety. Bouriachi's goal is to contribute to the advancement of ITS and traffic signal control by developing practical and sustainable solutions that can be implemented in real-world settings.

Brief Description of the session thematic

We invite researchers and practitioners to submit their original and innovative research related to the application of Artificial Intelligence (AI) in Intelligent Transportation Systems (ITS) for a special session of the IEEE ICAIGE 2023 conference.

Artificial Intelligence (AI), Machine Learning (ML), and Deep Learning (DL) are all advanced technologies used in Intelligent Transportation Systems (ITS) to improve traffic flow, reduce congestion, and enhance safety. AI can help make transportation systems more efficient, reliable, and safe, ultimately improving quality of life for commuters and reducing the environmental impact of transportation.

We welcome submissions that explore the application of machine learning, deep learning, natural language processing, computer vision, and other AI techniques in ITS. We encourage interdisciplinary research that integrates AI with other fields, such as transportation engineering, urban planning, and public policy.

Topics and Keywords

Topics of interest include, but are not limited to:

AI, Machine Learning and Deep learning for ITS, Smart Traffic Lights, Intelligent traffic signal control (TSC),Traffic Prediction and Management, Traffic flow modeling and prediction, Autonomous vehicles and their control systems, Cybersecurity in Connected and Autonomous Vehicles (CAVs), New technological trends in ITS, Smart cities and transportation, V2X communications in ITS

Number of pages

4 to 6 pages

List of potential reviewers

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Submissions Procedure

The instructions for the submission of are included in the conference website through the following link: https://icaige.recherche-scientifique.com/