ICICC-2024
6th International Conference on Innovative Computing and Communication

Organized by Shaheed Sukhdev College of Business Studies, New Delhi, India
On 16-17th FEBRUARY 2023.

************** CALL FOR PAPERS **************

SPECIAL SESSION ON
Interpretable Machine Learning and Model Explainability

SESSION ORGANIZERS:
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SESSION DESCRIPTION:
Interpretable Machine Learning (IML) and Model Explainability refer to the techniques and methods used to make complex machine learning models more understandable and transparent to humans. As machine learning algorithms become more sophisticated and capable of handling intricate patterns in data, they often become black-boxes, meaning it's challenging to understand how they arrive at their predictions. This lack of transparency can be problematic, especially in critical applications where decisions impact individuals' lives, such as healthcare, finance, and law.

RECOMMENDED TOPICS:
Topics to be discussed in this special session include (but are not limited to) the following:
- **Computational Theories of Learning**
- **Computational Resource Constrained Speech**
- **Supervised /Unsupervised learning**
- **Cognitive Science**
- **Generative Adverse Network**
- **Robotics**
- **Assistive Technologies**
- **Applications of ML and Deep Learning**
- **Internet of Things**
- **Federated learning: the next generation machine learning for regulated domains-Healthcare, Agriculture and Banking**
- **Applications for Multimodal and Multimedia Processing**
- **Compressed Sensing (for Speech and/or Image Processing)**

- **Computer Vision and Speech Recognition**
- **Natural Language Processing based tools and Applications**
- **Chatbots**
- **Applications of Modelling, Simulation and Verification in Automotive**
- **Spoken Dialogue Systems**
- **Speech-to-Speech Translation**
- **Text extraction and Topic classification**
- **Speech Analysis, Representation and Models**
- **Spoken Language Recognition and Understanding**
- **Speech and Language Resources – Data Collection, Transcription and Annotation**
- **Cyber Security**
- **Forensic Speech Investigations and Security Systems**
- **Speech Interface Design and Human Factors Engineering**
- **Text to speech synthesis**
- **Affective Speech Recognition, Interpretation and Synthesis**
- **Speaker Recognition in Biometric Systems and Security**
- **Human Computer Interaction**

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **Interpretable Machine Learning and Model Explainability** *on or before* **30th October 2023**. All submissions must be original and may not be under review by another publication. INTERESTED AUTHORS SHOULD CONSULT THE CONFERENCE'S GUIDELINES FOR MANUSCRIPT SUBMISSIONS at http://icicc-conf.com/paper_submission.html. All submitted papers will be reviewed on a double-blind, peer review basis.

NOTE: While submitting paper in this special session, please specify **Interpretable Machine Learning and Model Explainability** at the top (above paper title) of the first page of your paper.

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