









7th International Conference on Recent Trends in Image Processing and Pattern Recognition

December 19-20, 2024

Indian Institute of Information Technology Bhopal, India in collaboration with Maulana Azad National Institute of Technology Bhopal, India and 2AI: Applied Artificial Intelligence Research Lab - University of South Dakota, USA

HYBRID EVENT

ST5: QUANTUM-ENHANCED IMAGING AND ML FOR ENVIRONMENTAL ANALYSIS

About Special Track:

Quantum-Enhanced Imaging and ML for Environmental Analysis" Special Track aims to highlight and explore the synergistic potential of quantum computing, machine learning (ML), and advanced imaging techniques in the realm of environmental monitoring and climate change analysis. This track will serve as a nexus for cutting-edge research that leverages quantum computational advantages and ML algorithms to process and interpret vast and complex environmental data sets. By focusing on quantum-enhanced imaging and ML, the session intends to foster innovative approaches to detecting, analyzing, and predicting environmental changes with unprecedented precision and efficiency.

Topics of Interest:

- * Quantum Algorithms
- * Advanced Imaging Techniques
- * Environmental Monitoring Technologies
- * Machine Learning for environmental analysis.
- * Satellite Imagery Analysis
- * Sustainable Technology Development
- * Case Studies on Technological Solutions for Environmental Issues

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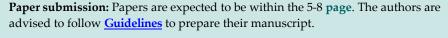
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- Main Track (RTIP2R-2024)
- ST1: Advancements in Al for Image Processing
- ST2: Al in Healthcare
- ST3: Emotional well-being Digital Twin
- ST4: Cross-Modal Information Retrieval using Image and Textual Contents ST5: Quantum-Enhanced Imaging and ML for Environmental Analysis
- ST6: Cyber-Physical Systems Automation for Industry 4.0
- ST7: Advancements in Machine Learning and Pattern Recognition for Electrical & Electronics Engineering
- ST8: Machine Learning Techniques for Image, Speech and Natural Language Processing
- ST9: Transforming Urban Landscapes: Harnessing the Synergy of IoT and Machine Learning for Smart Cities' Data-Centric Evolution

TRACK CHAIRS



Dr. Akansha Singh Bennett University, India



Templates: <u>MS-Word Template</u> or <u>LaTeX Template</u> **Note**: We recommend using the LaTeX template.

Please select ST5: Quantum-Enhanced Imaging & ML for Environmental Analysis from tracks before you begin your submission as shown.

SUBMISSION URL: https://cmt3.research.microsoft.com/RTIP2R2024



Dr. K. K. Singh Delhi Technical Campus, India

Conference proceedings will be published in **Procedia Computer Science, Elsevier**. Selected and/or best papers may be extended for journal issues (SCI, Scopus, and DBLP indexed).

For any query, please contact at akansha1.singh@bennett.edu.in

http://www.rtip2r-conference.org/2024/

Scopus Indexec

Deadline: 15/06/2024