



**International Conference on Recent Advances in
Artificial Intelligence, Communication, and
Electronic Systems
RAICE-2025**



ORGANISED BY
Department of Electronics and Communication Engineering
& Research and Development cell
Bharati Vidyapeeth's College of Engineering, New Delhi
5th – 7th February 2025

***** **CALL FOR SPECIAL SESSION** *****

SPECIAL SESSION ON: AI-Driven Time Series Forecasting and Decision-Making in Next-Generation Computational Systems

SESSION ORGANIZERS:

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RECOMMENDED TOPICS:

Some topics relevant to this session include, but are not limited to :

1. AI-Driven Time Series Modeling and Forecasting
2. Deep Learning Architectures for Time Series Prediction
3. Transfer Learning in Time Series Forecasting
4. GANs for Synthetic Time Series Data Generation
5. Real-World Applications of AI-Driven Forecasting in Decision-Making
6. Temporal Data Analysis Using AI Techniques
7. Transformer Architectures for Enhanced Time Series Forecasting
8. Optimizing Computational Systems with AI-Based Predictive Analytics
9. AI-Enhanced Anomaly Detection in Time Series Data
10. Scalable AI Solutions for Real-Time Time Series Forecasting

SESSION DESCRIPTION:

This session focuses on cutting-edge AI-driven techniques for time series forecasting and decision-making in next-generation computational systems. We will explore advanced methodologies like deep learning architectures, transfer learning, and GANs for enhancing predictive analytics. The session also covers real-world applications, anomaly detection, and scalable solutions for real-time forecasting, aiming to optimize performance and decision-making in various industries through the integration of AI in temporal data analysis.

Overall, this session provides a comprehensive overview of the state-of-the-art AI techniques in time series forecasting, with a particular emphasis on their application in decision-making within modern computational systems. Participants will leave with a deeper understanding of how AI can be harnessed to enhance predictive analytics, improve decision-making processes, and ultimately drive innovation in their respective fields.

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for the special session on **[AI-Driven Time Series Forecasting and Decision-Making in Next-Generation Computational Systems]** on or before **[15th September 2024]**.

All submissions must be original and may not be under review by any another publication. **INTERESTED AUTHORS SHOULD FOLLOW THE CONFERENCE'S GUIDELINES FOR MANUSCRIPT SUBMISSIONS.**

All submitted papers will be reviewed on a double-blind, peer review basis.

NOTE: While submitting a paper in the special session, please specify **[AI-Driven Time Series Forecasting and Decision-Making in Next-Generation Computational Systems]** **at the top (above paper title) of the first page of your paper.**