International Conferenc 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: Harnessing AI, Machine Learning and Intelligent Systems for a Sustainable Future

SESSION ORGANIZERS:

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

1. AI for Climate Modeling and Prediction, Sustainable Urban Development with Smart Cities
2. AI-Driven Renewable Energy Solutions, Agricultural Sustainability through Precision Farming
3. AI for Sustainable Transportation Solutions, Collaborative Platforms for Sustainability Using AI
4. Future of Work: AI, Machine Learning and Intelligent Systems

SESSION DESCRIPTION:

The proposed session on "Harnessing AI, Machine Learning, and Intelligent Systems for a Sustainable Future" is highly suitable for a Special Session at the Recent Advances in Artificial Intelligence, Communication, and Electronic Systems (RAICE 2025) for several compelling reasons:

1. Relevance to Current Global Challenges
 As the world grapples with pressing issues such as climate change, resource depletion, and social inequality, the integration of AI and machine learning into solutions for sustainability has never been more critical. This session can highlight innovative approaches that directly address these global challenges, making it timely and pertinent.

2. Interdisciplinary Nature

 Sustainability encompasses various fields, including environmental science, economics, urban planning, and social sciences. By focusing on AI and intelligent systems, the session can draw interdisciplinary connections that foster collaboration among experts from different domains, aligning with the spirit of RAICE-2025 to integrate diverse technological advancements.

3. Showcasing Technological Advances

 The RAICE -2025conference focuses on recent advancements in artificial intelligence and related fields. A session dedicated to sustainable applications can showcase cutting- edge research and practical implementations of AI technologies, emphasizing their potential to drive progress in sustainability.

4. Innovative Applications of AI

 The session can explore novel applications of AI in areas such as energy management, waste reduction, and sustainable agriculture. By highlighting these innovations, it can inspire researchers and practitioners to consider how they can leverage AI in their own work, promoting the transfer of knowledge and technology.

5. Ethics and Responsibility

 As AI technologies proliferate, ethical considerations surrounding their deployment become paramount. Discussing sustainability within the context of AI provides an opportunity to address these ethical concerns, ensuring that advancements contribute positively to society and the environment.

6. Policy Implications and Future Directions

 The session can engage discussions on how AI can influence policy-making and strategic planning for sustainable development. This focus on future directions aligns with the RAICE-2025 conference's goal of exploring the implications of technological advances on society.

7. Fostering Collaboration and Networking

 A dedicated session on this topic can serve as a platform for researchers, industry leaders, and policymakers to connect and collaborate. This networking opportunity is vital for driving forward initiatives that combine AI and sustainability, creating a community focused on impactful solutions.

8. Public Awareness and Education

 Highlighting the role of AI in sustainability can raise awareness about the potential benefits and challenges of these technologies among conference attendees. Educating participants about how they can contribute to a sustainable future through their work in AI can lead to a more informed and engaged community.

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for the special session on **[Harnessing AI, Machine Learning and Intelligent Systems for a Sustainable Future] [15th October 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 [**Harnessing AI, Machine Learning and Intelligent Systems for a Sustainable Future**] at the top (above paper title) of the first page of your paper.

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