ComSIA-2026
International Conference on Computing Systems and Intelligent Applications

Organized by Schoolof Open Learning, University of Delhi& ShaheedRajguru
College of Applied Sciences for Women, University of Delhi
20-21st March 2026.

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

SPECIAL SESSION ON
 Advances in AI for Emerging Sustainable Technologies

SESSION ORGANIZERS:
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EDITORIAL BOARD: (Optional)
[Name, University or Organization, Country, e-mail]

SESSION DESCRIPTION:
This special session aims to bring together researchers, academicians, and industry professionals to explore recent advancements in artificial intelligence and sustainable technologies. The session will address the critical challenges, emerging opportunities, and strategies for developing efficient AI solutions, with an emphasis on real-world applications across various sectors including renewable energy.

With the growing integration of AI in environmental monitoring and resource management, there is an increasing need to tackle issues related to sustainability, transparency, ethical considerations, and scalability in AI-driven green technologies. Simultaneously, breakthroughs in AI algorithms, sensor technologies, and optimization methods are opening new avenues to accelerate the transition toward a greener future, which also support sustainable development goals.

Hosted at ComSIA-2026, this session will provide a global platform for knowledge exchange and collaboration, encouraging discussions that connect scientific research, practical implementation, and responsible innovation in AI for sustainable future.

RECOMMENDED TOPICS:

Topics to be discussed in this special session include (but are not limited to) the following:

- **AI-enabled renewable energy optimization (solar, wind, hydro, bioenergy)**
- **Smart grids, intelligent demand forecasting, and energy efficiency models**
- **Machine learning for sustainable material design and recycling**
- **AI in carbon footprint monitoring and reduction strategies**
- **Predictive maintenance for energy-efficient systems**
- **Green manufacturing supported by intelligent automation**
- **AI for climate modeling, adaptation, and mitigation**
- **Circular economy applications driven by data-driven intelligence**

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **Advances in AI for Emerging Sustainable Technologies** *on or before* **30-09-2025**. 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 https://comsia.in/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 **Advances in AI for Emerging Sustainable Technologies** at the top (above paper title) of the first page of your paper.

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