ComSIA-2026

International Conference on Computing Systems and Intelligent Applications

Organized by School of Open Learning, University of Delhi & Shaheed Rajguru College of Applied Sciences for Women, University of Delhi

20-21st March 2026

SPECIAL SESSION:

Emerging Technologies on Advanced Smart Analytics

SESSION ORGANIZERS:

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SESSION DESCRIPTION:

Emerging technologies in advanced smart analytics are revolutionizing the way data is collected, processed, and interpreted across industries. With the exponential growth of data from sensors, social media, and connected devices, technologies such as Artificial Intelligence (AI) and Machine Learning (ML) have become the backbone of intelligent analytics, enabling predictive modeling and real-time decision-making. Deep learning techniques further enhance pattern recognition in complex datasets like images and speech, supporting innovations in healthcare, finance, and autonomous systems. The integration of Internet of Things (IoT) devices and Edge Computing allows data to be processed closer to its source, reducing latency and improving responsiveness in smart cities and industrial automation. Blockchain technology ensures data integrity and transparency, providing secure and tamper-proof analytical environments. Additionally, Natural Language Processing (NLP) empowers systems to understand and analyze human language, enabling advanced text and sentiment

analysis. Emerging paradigms such as Quantum Computing, Digital Twins, and Federated Learning further expand the capabilities of smart analytics by enhancing computational power, simulation accuracy, and privacy-preserving data processing. Collectively, these technologies are shaping a new era of intelligent, secure, and sustainable analytics, driving innovation across domains from healthcare to smart governance.

RECOMMENDED TOPICS:

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

- Artificial Intelligence (AI) and Machine Learning (ML)
- Deep Learning and Neural Networks
- Edge and Fog Computing
- Internet of Things (IoT) Integration
- Quantum Computing for High-Speed Analytics
- Natural Language Processing (NLP)
- Augmented Analytics
- Digital Twin Technology
- Federated Learning and Privacy-Preserving Analytics
- Blockchain for Data Integrity and Secure Analytics

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on "Emerging Technologies on Advanced Smart Analytics" on or before September 30, 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.