ICAIN-2025
International Conference on Artificial Intelligence and Networking

Organized by
University of Stirling - RAK Campus, UAE

10th - 11th October 2025

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

SPECIAL SESSION ON

[**Generative AI models and their applications in Big Data analytics, Health care and pharmaceuticals, and Cybersecurity**]

SESSION ORGANIZERS:

[Dr. Hemant Kumar Gianey, Associate Professor, NMIMS University- Shirpur, India, hgianey@gmail.com]

Dr. Aayush Shrivastava, Maharishi Markandeshwar University, India, Mr.aayushshrivastava@gmail.com]

[Dr. Manmohan Singh, IES College of Technology, India, kumar.manmohan4@gmail.com]

EDITORIAL BOARD: (Optional)

SESSION DESCRIPTION:

[This session will focuses on recent advancement on Gen AI models (GANs, VAEs, and Diffusion Models) in Big Data Analytics, health care and pharmaceuticals, biomedical engineering and cybersecurity. It will also explore ethical challenges, cybersecurity threats, and AI's role in health care and sustainable computing.]

RECOMMENDED TOPICS:

Topics to be discussed in this special session include (but are not limited to) the following:
• **Advanced Gen AI Models : GANs, VAEs, Diffusion Models**
• **Application of Gen AI in Big Data Analytics, Social Analytics and IoT-Enabled Smart Cities**
• **Ethical challenges and innovations in Gen AI**
• **Impact of Gen AI in Bio Medical Engineering**
• **Data Synthesis for Machine Learning and Deep Learning**
• **New threats and defenses of Cybersecurity in Gen AI driven world**
• **Gen AI for Patient Care and Diagnostics**

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this particular theme session on [**Generative AI models and their applications in Big Data analytics, Health care and pharmaceuticals, and Cybersecurity**] *on or before* [**30th May 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://www.icain-conf.com/downloads. All submitted papers will be reviewed on a double-blind, peer-review basis.

NOTE: While submitting a paper in this special session, please specify [Generative AI models and their applications in Big Data analytics, Health care and pharmaceuticals, and Cybersecurity] at the top (above paper title) of the first page of your paper.

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