UNIVERSITY of STIRLING | **RAS AL KHAIMAH CAMPUS**

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

Current Trends in NLP: Applications of Transformers

SESSION ORGANIZERS:

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EDITORIAL BOARD: (Optional)

[Name, University or Organization, Country, e-mail]

SESSION DESCRIPTION:

The session will be focused on several cutting-edge technologies applied in the broad area of Natural Language Processing and its real-world applications. With the continuous innovations in transformer-oriented or other relevant methods, the NLP oriented applications are proliferated globally. With this session, all academician and technologists come together on a common global platform to discuss the utilization and advancement of various natural language processing technologies. More specifically, the session will provide a discussion on the ongoing work on language understanding, language generation, text summarization, applications in various tasks such as sentiment analysis, text extractions from real images, recommendation analysis, context-based and syntax based similarity, information extraction and analysis, and explainable AI.

RECOMMENDED TOPICS:

Topics to be discussed in this special session include (but are not limited to) the following:
• **Generative AI application in text**
• **Applications of Explainable AI**
• **Transformers application in Text.**
• **Syntax and context-based similarity in text**
• **Semantic Analysis**
• **Graph Neural Network Application in Text.**
• **Application of LLMs**

- **Sentiment analysis**
- **Recommendation Analysis**
- **Multimodal (image/video and text) analytics based applications**

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this particular theme session on "**Current Trends in NLP: Applications of Transformers**" *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 [Session Name] at the top (above paper title) of the first page of your paper.

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