AAIIC 2025

International Conference on Applied Artificial Intelligence and Innovation

Organized by
Shoolini University, Solan H.P INDIA 173229

July 11-12, 2025

********** CALL FOR PAPERS **********
https://aaiic.in/

Proposal for Conference Special Session

SESSION TITLE:

Unleashing the Power of Generative AI: Large Language Models in Focus

SESSION ORGANIZER:

Dr. Aman Sharma – Assistant Professor (SG), Department of Computer Science and Engineering, Jaypee University of Information Technology, Solan, India

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Prof. Rajni Mohana – Professor and Dean Engineering, Department of Computer Science, Amity University Punjab, Mohali, India

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SESSION DESCRIPTION:

Generative AI and Large Language Models (LLMs) are at the forefront of AI innovation, transforming industries and reshaping how we interact with technology. From revolutionizing natural language understanding to driving the creation of content, LLMs have proven to be pivotal in fields such as healthcare, education, customer service, and more. As these technologies continue to evolve, it is essential to explore their full potential, limitations, and implications for the future.

This special session invites original research papers that focus on the development, application, and impact of Generative AI and Large Language Models. We encourage submissions that explore architectural advancements, new training methodologies, real-world use cases, and the ethical challenges of working with LLMs. Topics of interest include, but are not limited to, innovations in transformer-based models, the application of LLMs in diverse domains, efficient training techniques, handling biases, ensuring fairness, and evaluating model performance. We are particularly interested in papers that present new insights into the practical deployment of generative AI, address challenges in scalability, and propose solutions to improve the efficiency and safety of LLM-based systems. Additionally, we welcome discussions on future trends and potential breakthroughs that will shape the next generation of LLM technologies.

This session aims to bring together researchers, practitioners, and industry professionals to share their latest work, foster collaboration, and discuss the future of generative AI. Accepted papers will be presented during the session, offering a unique opportunity to engage with cutting-edge research and contribute to the growing conversation around Large Language Models and their applications. We look forward to receiving your submissions and engaging in stimulating discussions about the future of generative AI and its transformative power.

Session Co-Chairs (Include Name, Designation, Affiliation, Email, Phone No etc.)

Dr. Aman Sharma – Assistant Professor (SG), Department of Computer Science and Engineering, Jaypee University of Information Technology, Solan, India

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Prof. Rajni Mohana – Professor and Dean Engineering, Department of Computer Science, Amity University Punjab, Mohali, India

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RECOMMENDED TOPICS:

Here are the recommended topics:

1. Architectural Innovations in Large Language Models – Exploring new deep learning architectures and advancements in transformer models.
2. Training Techniques and Optimization – Strategies for efficient pre-training, fine-tuning, and domain adaptation of LLMs.
3. Applications of Generative AI and LLMs – Real-world use cases of LLMs across various industries such as healthcare, content creation, and education.
4. Ethical and Social Implications of LLMs – Addressing biases, fairness, transparency, and privacy issues in generative AI applications.
5. Evaluation and Benchmarking of LLMs – Developing metrics and evaluation standards to assess the performance of LLMs.

6. Real-World Challenges in Deploying LLMs – Overcoming scaling, computational, and ethical challenges in deploying LLMs.
7. Improving the Interpretability and Explainability of LLMs – Approaches to enhance the transparency and understanding of LLMs' decision-making processes.
8. Future Trends in Generative AI and LLMs – Exploring next-generation models, such as multimodal and reinforcement learning-driven LLMs.
9. LLMs in Low-Resource Environments – Techniques for deploying LLMs in resource-constrained and multilingual settings.
10. Collaborative and Interactive LLMs – Investigating human-AI collaboration and improving user interaction in generative tasks.

PUBLICATION AND SUBMISSION PROCEDURE

The conference aims at carrying out double-blind review process. The papers submitted by the authors will be assessed based on their technical suitability, the scope of work, plagiarism, novelty, clarity, completeness, relevance, significance, and research contribution. The conference proceedings will be published in Springer LNAI series. All books published in the series are submitted for consideration in Scopus/Web of Science.

NOTE: While submitting the paper in this special session, please specify [Special Session Number] at the top (above paper title) of the first page of your paper.

DEADLINE TO REMEMBER:

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