

INVITED SESSION

The 28th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES-2024), 11-13 September 2024, Seville, Spain

The conference proceedings will be published in Elsevier's Procedia Computer Science open access journal, available in ScienceDirect and submitted to be indexed/abstracted in CPCi (ISI conferences and part of Web of Science), Engineering Index, and Scopus. The conference is ranked 'B in the CORE conference ranking system'.

Title of Session:

Generative Artificial Intelligence: Catalyst for Transformation in the Digital Era

Name, Title and Affiliation of Chair:

Prof. Ahmad Taher Azar, IEEE Senior Member

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Details of Session (including aim and scope):

In the dynamic landscape of the digital era, Generative Artificial Intelligence (AI) stands out as a transformative force with unparalleled potential to reshape industries, processes, and human experiences. The proposed special session, titled "Generative Artificial Intelligence: Catalyst for Transformation in the Digital Era," seeks to explore and illuminate the groundbreaking advancements, challenges, and opportunities that arise from the intersection of generative AI and the ongoing evolution of our digital world.

Generative AI, a subset of artificial intelligence that focuses on creating new content, information, or artifacts, has emerged as a powerful tool for innovation across diverse domains. From generating realistic images and text to designing novel solutions in medicine, finance, and beyond, generative AI is pushing the boundaries of what is possible in the digital landscape. This special session aims to bring together researchers, practitioners, and thought leaders to delve into the multifaceted impacts of generative AI and its role as a catalyst for transformative change.

The digital era is marked by an unprecedented influx of data, computational power, and connectivity, creating an ecosystem where generative AI can thrive. This session will provide a platform for participants to discuss the latest developments in generative AI algorithms, applications, and ethical considerations. Topics of interest include but are not limited to generative models, creative applications, adversarial training, ethical implications, and the integration of generative AI into various industries and sectors.

As we navigate the complexities of the digital era, understanding the potential and challenges posed by generative AI is essential for harnessing its capabilities responsibly and ethically. This special session aims to foster dialogue and collaboration among researchers and practitioners who are at the forefront of generative AI research, providing insights that will shape the future trajectory of artificial intelligence in the digital landscape. Researchers are encouraged to contribute their latest findings and perspectives to contribute to the collective understanding of how generative AI can serve as a catalyst for positive transformation in our increasingly digitalized world.

Topics of interest for submission include but are not limited to:

Artificial Creativity Machine learning

Augmented intelligence New frontiers of creativity

Creative AI Personalized experiences

Data-driven innovation Predictive analytics

Digital transformation Reinforcement learning

Emerging technologies Responsible AI

Generative Al applications Rise of Al-powered creativity

Generative models Shaping the future of work

Human-Al collaboration Social Impact of Al

Intelligent automation Transformational power of AI

Unleashing innovation Value creation

Main Contributing Researchers / Research Centres (tentative, if known at this stage):

Prof. Dr. Aboul Ella Hassanien

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Scientific Research Group In Egypt, Cairo University, Egypt

Prof. Dr. Ibrahim A. Hameed

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Dr. Gabriella Casalino

Department of Computer Science, University of Bari Aldo Moro, Via Orabona, 4-70125 Bari, Italy

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Dr. Jothi Ganesan, Department of Computer Applications, Sona College of Arts and Science, Salem 636005, Tamil Nadu, India

Dr. Arvind Sharma, Yogananda School of Al, Computer and Data Sciences, Shoolini University, Kumarhatti, District - Solan, Himachal Pradesh

Researchers / Research Centres would be invited upon approval of this SS.

Important Dates:

Website URL of Call for Papers (if any):

https://sites.google.com/view/profazar/recent-announcements/copy-of-call-for-papers-kes-24

Email & Contact Details:

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