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ICGAIA

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CRF Core Research Foundation

International Conference on
Generative AI and
its Applications

Fostering Innovation through Generative AI:
Bridging Theory to Applications for Global Impact.

22nd-23rd, July, 2024 | Jakarta, Indonesia

About the Conference

The International Conference on Generative AI and its Applications (ICGAIA) is a prestigious event that brings together researchers, practitioners, and experts from academia, industry, and government organizations to discuss the latest advancements, trends and challenges in the field of generative artificial intelligence (AI) and its various applications.

ICGAIA serves as a platform for presenting cutting-edge research papers, sharing insights, exchanging ideas, and fostering collaborations among professionals working in areas such as machine learning, deep learning, natural language processing, computer vision, robotics and more.

The conference typically features keynote speeches by prominent researchers, panel discussions, workshops, and poster sessions, providing attendees with opportunities to learn about the latest developments in generative AI techniques, algorithms, and applications across diverse domains.

ICGAIA provides a valuable forum for researchers and practitioners to explore the potential of generative AI technologies, address key research questions, and identify opportunities for further advancements and applications in various industries and domains.

About CRF

Core Research Foundation, an Indian company, has accredited Core Research Foundation (CRF) as a research platform. At CRF, our mission is to give eminent organizations, scholars, and researchers an exceptional platform. By offering conference and journal publication services, we hope to foster an atmosphere that promotes knowledge scalability and meet the needs of our affiliated members. The new research platform for academics, researchers, and scientists is called Core Research Foundation, or CRF. With the aid of various academic activities, CRF establishes links and collaborates with international research houses and institutions to supply knowledge scalability and research improvements.

Objective of the Conference

The primary objective of the International Conference on Generative AI and its Applications (ICGAIA) is to provide a platform for researchers, practitioners, and experts from academia, industry, and government to convene and exchange knowledge, ideas, and experiences related to generative artificial intelligence (AI) and its diverse applications. Below are the key objectives of the conference:

- Knowledge Sharing and Dissemination: Facilitate the dissemination of cutting-edge research, innovations, and developments in the field of generative AI among the global community of researchers and practitioners.

- Networking and Collaboration: Foster networking opportunities and collaboration among attendees, including researchers, ac ademics, industry professionals, and policymakers, to encour age interdisciplinary collaboration and partnerships.
- Promotion of Best Practices: Showcase best practices, meth odologies, and techniques in the design, development, and deploy ment of generative AI systems across various domains and appli cations.
- Exploration of Emerging Trends: Explore emerging trends, chal lenges, and opportunities in generative AI research and applica tions, including but not limited to novel algorithms, architectures, evaluation metrics, and ethical considerations.
- Educational and Professional Development: Provide a forum for educational and professional development by offering keynote speeches, tutorials, workshops, and panel discussions on topics relevant to generative AI, aimed at enhancing attendees' knowl edge and skills.
- Ethical Considerations and Societal Implications: Address ethicalconsiderations, societal impacts, and responsible use of generative AI technologies, including issues related to bias, fairness, privacy, security, and accountability.
- Industry Engagement and Innovation: Bridge the gap between academia and industry by facilitating interactions and knowledge exchange between researchers and industry practitioners, fostering innovation and technology transfer.
- International Collaboration: Promote international collaboration and cooperation in generative AI research and applications, facili tating cross-border exchange of ideas, resources, and expertise.

By achieving these objectives, ICGAIA aims to advance the state-of-the-art in generative AI, accelerate the development and adoption of generative AI technologies across various sectors, and contribute to the responsible and ethical advancement of AI for the benefit of society as a whole.

Why to Choose CRF

Core Research Foundation is the fastest growing Research platform in India among other platforms. We are providing Publication facilities in various journals including Scopus, Clarivate, SCI, SCIE, Pubmed etc.

1. **Interdisciplinary Perspective:** The combination of management and social sciences in one conference provides a platform for interdisciplinary discussions. This can lead to a more comprehensive understanding of complex issues by integrating perspectives from both fields.

2. **Networking Opportunities:** Conferences bring together professionals, academics, and researchers from various backgrounds. Attending the International Conference on Management and Social Sciences can provide ample networking opportunities to connect with individuals who share interests in both management and social sciences.

3. **Diverse Range of Topics:** The inclusion of both management and social sciences broadens the scope of topics covered at the conference. This diversity allows for a wide range of presentations and discussions, catering to a broader audience.

4. **Holistic Problem-Solving:** Many real-world challenges require a holistic approach that considers both organizational management and societal implications. This conference can facilitate discussions on how these two domains intersect and contribute to comprehensive problem-solving.

5. **Knowledge Integration:** Participants can gain insights into how management practices intersect with social, cultural, and economic factors. This integration of knowledge can lead to innovative solutions and a deeper understanding of the implications of management decisions on society.

Session and Tracks

1. Generative Models and Architectures:
- Advanced Generative Adversarial Networks (GANs)
- Autoregressive Models
- Flow-based Models
- Self-Attention Mechanisms in Generative Models
- Image Synthesis and Editing
- Text Generation and Natural Language Processing
- Music Composition and Audio Synthesis
- Video Generation and Manipulation
- 3D Object Generation and Reconstruction

2. Generative AI for Creative Industries:
- Art and Design
- Music and Entertainment
- Fashion and Visual Arts
- Literature and Storytelling

3. Generative Models for Data Augmentation and Synthesis:
- Synthetic Data Generation
- Data Augmentation Techniques
- Domain Adaptation using Generative Models

4. Ethical and Societal Implications of Generative AI:
- Bias and Fairness in Generative Models
- Privacy and Security Concerns
- Misuse and Manipulation of Generative AI
- Regulation and Policy Challenges

5. Human-AI Collaboration and Interactive Systems:

- Co-creative Interfaces
- Human-in-the-Loop Generative Systems
- Explainability and Interpretability in Generative Models
- Simulation and Synthetic Environments
- Robot Motion Planning and Control
- Generative Models for Robot Perception and Understanding

6. Evaluation and Benchmarking of Generative Models:

- Metrics for Evaluating Generative Models
- Benchmark Datasets and Challenges
- Reproducibility and Generalization in Generative AI Research
- Medical Image Synthesis and Analysis
- Drug Discovery and Molecular Design
- Healthcare Data Generation and Augmentation

7. Industry Applications and Case Studies:

- Advertising and Marketing
- Gaming and Virtual Reality
- Financial Forecasting and Risk Analysis
- Manufacturing and Industrial Design

Keynote Speakers

Edwin de Guzman
University of Santo Tomas,
Philippines

Dr. Satyajit Pattnaik
Lead AI Consultant, Palo IT,
Hong Kong

Dr. Rukhsan Ul Haq
Quantum AI Scientist,
IBM India

Session Chair

Dr. Sunil Bhutada
Professor & Head (IT Department)
at Sreenidhi Institute of Science and Technology,
Telangana, India

Conference Chair

Prof. Henderi
Department of Computer Science,
University of Raharja, Indonesia

Conference Co-Chair

Arvin Roxas De La Cruz
Chief, Research and Extension
Graduate School, PUP Manila, Philippines.

SCAN TO KNOW MORE

01 ~~Early Bird Registration~~ ~~15th June, 2024~~

02 Abstract Submission 04th July 2024

03 Full Paper Submission 07th July 2024

04 Registration Deadline 13th July 2024

About the Venue

ASTON Priority Simatupang Hotel & Conference Center
Address: Jl. Let. Jend Jl. TB Simatupang No.Kav. 9, RT.2/RW.2, Kebagusan, Ps. Minggu, Kota Jakarta Selatan, Daerah Khusus Ibukota Jakarta 12520,Indonesia

Our Success

Upcoming Conferences on 2024

Month	Conference Name	Location	Date
August	MEET	Seoul	August 13-14
September	MEET	Dubai	September 20-21
October	WCLER	Bali	October 18-19
November	MEET	Turkey	November 15-16
December	ICEMSS	Bangkok	December 20-21

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