Call for Contributions

1. Inform the Chair: with the title of your contribution
2. Submission URL:
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=AMBIENT+2024+Special
Please select Track Preference as **GAISC**
3. Note: *For 2024, all events will be held in a hybrid mode: on site or virtual choices (live, prerecorded videos, voiced presentation slides, and .pdf slides). We hope for better times allowing us to return to the traditional on site scientific events. However, we are ready to adapt any which way the conditions dictate.*

Special track

GAISC: Generative Ambient Intelligence for Smart Cities
Utilizing Environment Data, Human Behavior Patterns, Ambient Computing Technologies, and Generative AI to Create Personalized Smart City

Chair
Prof. Ruizhi LIAO, The Chinese University of Hong Kong, Shenzhen, China rzliao@cuhk.edu.cn

along with
AMBIENT 2024: The Fourteenth International Conference on Ambient Computing, Applications, Services and Technologies
https://www.iaria.org/conferences2024/AMBIENT24.html
September 29 - October 03, 2024 - Venice, Italy

The special track on Generative Ambient Intelligence for Smart Cities aims to explore the synergy between ambient computing technologies and generative Artificial Intelligence (AI) in creating personalized smart city applications. By integrating generative AI algorithms with environment data and human behavior patterns, we can unlock new possibilities for enhancing the intelligence and adaptability of smart cities. This track focuses on the innovative use of generative AI techniques to generate context-aware and personalized solutions for various aspects of urban life, promoting efficiency, sustainability, and a higher quality of life for city dwellers.

The combination of generative AI and ambient computing technologies offers exciting opportunities for smart city applications. Generative AI can leverage environmental data, social patterns, and individual preferences to generate adaptive and personalized experiences. This special track aims at bringing together researchers, practitioners, and industry experts to explore the vast potential of generative ambient intelligence in transforming smart cities into dynamic and responsive urban environments.

Subtopics for contributions include, but are not limited to:

- Generative AI models for personalized smart teaching and learning
- Ambient-based generative AI for personalized smart healthcare and well-being services
- Context-aware generative algorithms for dynamic urban planning and resource management
- Human behavior prediction using generative AI for efficient urban services and infrastructure
- Generative AI techniques for adaptive and personalized urban mobility and transportation
- Ambient computing and generative AI fusion for personalized urban safety and security systems
- Generative models for immersive and interactive urban experiences in Augmented Reality (AR) and Virtual Reality (VR) environments
- Ethical considerations and fairness in generative ambient intelligence for smart cities
- Generative AI-driven urban sustainability solutions for energy management, waste reduction, and environmental conservation
- User-centric design and user experience evaluation in generative ambient intelligence applications for smart cities

Contribution Types
- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaria.org]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos: two pages [posted on www.iaria.org]

Important Datelines
Inform the Chair or Coordinator: As soon as you decide to contribute
    Submission: Aug 14, 2024
    Notification: Sept 1, 2024
    Registration: Sept 11, 2024
    Camera ready: Sept 11, 2024
Note: The submission deadline is somewhat flexible, providing arrangements are made ahead of time with the chairs.

Paper Format
- See: http://www.iaria.org/format.html
- Before submission, please check and comply with the editorial rules: http://www.iaria.org/editorialrules.html

Publications
- Extended versions of selected papers will be published in IARIA Journals: http://www.iariajournals.org
- Print proceedings will be available via Curran Associates, Inc.: http://www.proceedings.com/9769.html
- Articles will be archived in the Open Access ThinkMind Digital Library: http://www.thinkmind.org

Paper Submission
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=AMBIENT+2024+Special
Please select Track Preference as **GAISC**

Registration
- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at http://www.iaria.org/registration.html

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