

# Call for Papers

## Graph Foundation Models (GFMs) Workshop

*The 20<sup>th</sup> International Conference on Wireless Communications and Mobile Computing*

Website: <http://iwcmc.org/2024/>

Submission Link: <https://edas.info/newPaper.php?c=31475>

Technically sponsored by IEEE and IEEE Cyprus Section

**May 27-31, 2024, Cyprus**

### Chairs:

Chang-Dong Wang, Sun Yat-sen University, China

Yanzan Sun, Shanghai University, China

Fuqiang Liu, Tongji University, China

Dong Huang, South China Agricultural University, China

Min Chen, South China University of Technology, China

### Scope

Recently, Artificial Intelligence (AI) has played an increasingly important role in different applications. The key lies in analyzing/modeling the structure and data inheritance, based on which various application scenarios can be covered from various perspectives. With the development of Foundation Models (FM), how can the pretrain-prompt-finetune paradigm work in AI-driven applications become a very interesting but still an unsolved research problem. In particular, many applications usually involve graph data, i.e., the objects with their topological structure/relations, how can a Graph Foundation Model (GFM) work with these applications remains complex but a very interesting problem. The aim of this Workshop is to provide a forum for discussing and sharing ideas on Graph Foundation Models for Smart Applications (GFMs), from the perspectives of both the AI researchers and the smart applications researchers.

### Topics

Accepted papers will be published in the IEEE IWCMC 2024 proceedings and will be submitted to the IEEE digital library (IEEE Xplore). Authors are welcome to submit original papers (not published before and/or simultaneously to another venue) with topics that include but are not limited to:

- Graph foundation model pretraining for intelligent transportation
- Graph prompt design for intelligent transportation
- Graph foundation model finetuning for intelligent transportation
- Graph foundation model pretraining for smart city environmental monitoring and management
- Graph prompt design for smart city environmental monitoring and management
- Graph foundation model finetuning for smart city environmental monitoring and management
- Graph foundation model pretraining for urban planning
- Graph prompt design for urban planning
- Graph foundation model finetuning for urban planning
- Graph foundation model pretraining for green city
- Graph prompt design for green city
- Graph foundation model finetuning for green city

- Graph foundation model pretraining for smart healthcare and well-being
- Graph prompt design for smart healthcare and well-being
- Graph foundation model finetuning for smart healthcare and well-being

Submitted papers are encouraged to address novel technical challenges or industrial and standard aspects of the key technologies for sustainable and secure cognitive buildings/cities.

## **Important Dates**

*The same deadlines as those of the main conference.*

Note: Within this workshop, there will be a Best Paper Award.