

Call for Papers

Graph Foundation Model for Smart City Applications (GPLSCA) Workshop

The 21st International Conference on Wireless Communications and Mobile Computing

Website: <http://iwcmc.org/2025/>

Submission Link: <https://edas.info/newPaper.php?c=32919>

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Scope

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

Topics

Accepted papers will be published in the IEEE IWCMC 2025 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

Deadlines will follow the main conference announced dates.

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