

## Special Issue

# Urban Mobility Data Mining and Big Data Analysis

### Message from the Guest Editor

Urban mobility has become one of the defining challenges of contemporary cities, shaped by rapid urbanization, technological innovation, and rising sustainability imperatives. We invite contributions that explore a wide range of topics, including, but not limited to, the following:

- Integration of heterogeneous data sources: GPS, mobile phone traces, smart cards, vehicle sensors, IoT devices, social media, etc.;
- Measuring and understanding human mobility with mobile big data;
- Mobility behaviour, mode choice, demand forecasting, and multimodal transport systems;
- Trajectory data mining: map-matching, clustering, motif and sequential pattern mining, anomaly detection, next-location prediction;
- Spatial and transport planning, urban governance, and smart cities;
- Socio-economic traits of mobility (economic inequalities, gender gaps, transport poverty, etc.);
- Urban sustainability and liveability;
- Data privacy in mobility data, surveillance, and ethics;
- Real-world case studies showing how data-driven decision-making can inform policy, planning, infrastructure design, or operational interventions.

Any questions about this special issue, please contact Tansy yi (tansy.yi@mdpi.com).

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### Guest Editor

Dr. Gergő Pintér

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### Deadline for manuscript submissions

30 September 2026



## Urban Science

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## About the Journal

### Message from the Editor-in-Chief

*Urban Science* is a scholarly international journal which provides a platform for the exchange of theories, ideas, methods, analyses, and comparative studies of urban and regional development. It is a peer-reviewed, open access journal that publishes high quality original articles, theoretical essays, critical reviews, research notes, and shorter communications. Its broad definition of “science” includes both quantitative and qualitative methods of social, environmental, and spatial analysis. There is no restriction on the maximum length of the papers.

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### Editor-in-Chief

Prof. Dr. Luis Hernández-Callejo

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