WebAndTheCity 12th International Smart City Workshop - Data-Driven Smart Cities

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Abstract

This is the 12th edition of the workshop series labeled "Web and the City – The Web and Smart Cities", which is the successor of the series of workshops that started in Florence in 2015 and has continued taking place every year in conjunction with the WWW conference series. Each year, the focus of the workshop is actualized, and this year, the workshop focuses on data-driven smart cities. In the era of IoT, AI, and agentic AI, integration, the citiverse (metaverse for people-centric cities), cities are being transformed into urban environments that use data as a foundational asset to improve decision-making, optimize services, and enhance citizen well-being. At the same time, data is processed using various techniques and methods, which influence the outcomes. This workshop aims to explore how the Web supports this transformation and how technologies can improve smart cities.

CCS Concepts

• Human-centered computing~Visualization~Visualization application domains~Information visualization; •Applied computing~Computers in other domains~Computing in government

Keywords

Smart city, data, AI, metaverse, citiverse, web, Apps

ACM Reference format:
Leonidas Anthopoulos, Marijn Janssen and Vishanth Weerakkody. 2025. WebAndTheCity'26: 12th International Workshop on The Web and Smart Cities. In *Companion Proceedings of the ACM Web Conference 2026 (WWW '26 Companion), April 13 - 17, 2026, Dubai, United Arab Emirates.* ACM, New York, NY, USA, 2 pages. https://doi.org/10.1145/3701716.3718328

WWW Companion '26, April 13-17, 2026, Dubai, United Arab Emirates.

ACM ISBN 979-8-4007-2308-7/2026/04.
https://doi.org/10.1145/3701716.3718328

1 Introduction

This is the 12th edition of the workshop series labeled "Web and the city – Web Applications and Smart Cities", which started back in Florence in 2015 and kept on taking place every year in conjunction with the WWW conference series. Last year the workshop was held in Sydney, Australia. The workshop series aims to investigate the Web and Web applications' role in establishing smart city (SC) promises for enhancing the quality of life in cities with the use of digital technologies.

This year, the workshop focuses on Data-Driven Smart Cities. In the era of IoT, AI, and agentic AI, integration, the citiverse (metaverse for people-centric cities), cities are being transformed into urban environments that use data as a foundational asset to improve decision-making, optimize services, and enhance citizen well-being. At the same time, data is processed using various techniques and methods, which influence the outcomes. This workshop aims to explore how the Web supports this transformation and how technologies can improve smart cities [1; 2; 3].
This is a half-day event and consists of the following presentations:

1. A Toolset for Modelling Non-Mediated Governance.
2. Boltzmann Interaction Models with Gibbs Decision Policies in Multi-Drone Urban Delivery Systems
3. LLM-Enabled Participatory Platforms for People-Centric Smart Cities
4. Super-Resolution of Urban Socioeconomic Indicators via Graph-Based Recommender Systems
5. Closed-Loop Intelligence Architectures for Data-Driven Smart Cities
6. A Contrastive Learning and Prompt-Driven Framework for Low-Resource User geolocation
7. Big data and AI in smart city negotiations: a literature review

The call for articles attracted submissions from Europe and Asia. Review and acceptance statistics are as follows:

Table 1: Workshop's performance

Submission Type	Reviewed	Accepted	
Full Technical Papers	8	6	75%
Short Paper Presentations	2	1	50%

We believe that the program provides a good balance between several trending topics such as applications that strengthen city transformation to responsible, virtual environments. Hence, we hope that you will find the workshop's program interesting, providing you with a valuable opportunity to learn and share ideas with other researchers and practitioners from institutions around the world. An invited speech about smart city applications, will be presented in the beginning of the workshop.

Acknowledgements

The research is conducted in the operating framework of the University of Thessaly Innovation, Technology Transfer Unit and Entrepreneurship Center "One Planet Thessaly", under the "University of Thessaly Grants for Scientific Publication Support" action and is funded by the Special Account of Research Grants of the University of Thessaly.

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