introduction WebAndTheCity'24

10th International Workshop on The Web and Smart Cities

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10th International Workshop on The Web and Smart Cities

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ABSTRACT

This is the 10th edition of the workshop series labeled "AW4City – 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 Austin, Texas. The workshop series aims to investigate the Web and Web applications' role in establishing smart city (SC) promises. The workshop series aim to investigate the role of the Web and of Web applications in SC growth. This year, the workshop focuses on the new era of the Web and web intelligence in cities and communities. In the era of digital twinning and metaverse (so-called citiverse for cities), and under the UN 2030 Agenda for sustainable growth, cities are being transformed into virtual spaces that generate new types of value and new experiences to their citizens and enterprises that can enhance living and offer new opportunities for economic growth. Moreover, AI and web intelligence generate new types of automated transactions in these virtual spaces, while they can utilize data spaces and standardization for optimal data flow. This workshop aims to demonstrate how the Web transforms cities into new virtual environments.

CCS CONCEPTS

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

KEYWORDS

smart city, metaverse, citiverse, web, Apps, smart living, smart citizens

1 INTRODUCTION

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This year, the workshop focuses on the new era of the Web and web intelligence in cities and communities. In the era of digital twinning and metaverse (so-called citiverse for cities), and under the UN 2030 Agenda for sustainable growth, cities are being transformed into virtual spaces that generate new types of value and new experiences to their citizens and enterprises that can enhance living and offer new opportunities for economic growth [1; 2; 3]. Moreover, AI and web intelligence generate new types of automated transactions in these virtual spaces, while they can utilize data spaces and standardization for optimal data flow. This workshop aims to focus on how the Web transforms cities into new virtual environments.

This is a half-day event and consists of the following presentations:

1. Homogenizing data flows in smart cities: value-driven use cases in the era of citiverse
2. Towards Invariant Time Series Forecasting in Smart Cities
3. Open Metaverse: Issues, Evolution, and Future
4. Implementing Sustainable Urban Mobility Transitions in Positive Energy Districts

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

Table 1: Workshop's performance

Submission Type	Reviewed	Accepted	
Full Technical Papers	5	3	60%
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 virtual environments in the era of metaverse. 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.

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