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11th WebAndTheCity

The Responsible Web and AI for Smart Cities

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11th WebAndTheCity

The Responsible Web and AI for Smart Cities

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Abstract

This is the 11th edition of the workshop series labeled “Web and the City – The Web 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 Singapore. Each year the focus of the workshop is actualized, and this year the workshop focuses on the Responsible web and Responsible AI in cities and communities. In the era of digital twinning, AI, and the metaverse (so-called citiverse for cities), and under the UN 2030 Agenda for sustainable growth and resilience, cities are being transformed into virtual spaces that enable service automation and value generation to their communities and enterprises. Moreover, AI and web intelligence generate new types of opportunities, including generating automated transactions in these virtual spaces, which must preserve human-perceived consequences, fairness, accountability, transparency, and ethics. This workshop aims to focus on how the Web transforms cities into responsibly intelligent virtual environments.

CCS Concepts

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

Keywords

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

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1 Introduction

This is the 11th 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 Singapore. 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 the Responsible web and Responsible AI in cities and communities. In the era of digital twinning, AI, and the metaverse (so-called citiverse for cities), and under the UN 2030 Agenda for sustainable growth and resilience, cities are being transformed into virtual spaces that enable service automation and value generation to their communities and enterprises. Moreover, AI and web intelligence generate new types of opportunities, including generating automated transactions in these virtual spaces, which must preserve human-perceived consequences, fairness, accountability, transparency, and ethics. This workshop aims to focus on how the Web transforms cities into responsibly intelligent virtual environments [1; 2; 3].

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

1. Embedding Spatial and Semantic Contexts for Geo-Entity Typing in Smart City Applications.
2. REST API access control - an OPTIONS based approach
3. Dual-Decoder Autoencoder for Reversible Image Anonymization in Automatic Proctoring Systems
4. pen Urban Innovation Ecosystems -- Integration of Data, Services, and Stakeholders

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 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.

References

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