



Delft University of Technology

WebAndTheCity'23

9th International Workshop on The Web and Smart Cities

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WebAndTheCity'23

9th International Workshop on The Web and Smart Cities

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ABSTRACT

This is the 9th 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 virtually in Lyon, France. 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 role of the web in social coherence. cities appear to play a crucial role in securing humanity against social threats and generating sustainable and circular cities. In this regard, cities attempt to secure social sustainability and coherence (e.g., deal with affordable energy, poverty, hunger, equal opportunities in education, jobs, and health, etc.) and enhance their performance to become friendlier and able to host their increasing populations. Additionally, new types of business appear (e.g., for smart energy), while the co-existence of autonomous things and people generate another challenge that cities have started phasing. This workshop aims to demonstrate how web applications Apps can Web intelligence serve communities.

CCS CONCEPTS

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

KEYWORDS

smart city, web Apps, smart living, smart citizens

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1 INTRODUCTION

This is a proposal for the 9th edition of the annual workshop series labeled “WebAndTheCity – 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 virtually in Lyon, France, in conjunction with “The Web Conference 2022”. The workshop series aims to investigate the Web and Web applications’ role in establishing the 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 role of the web in social coherence. In the era of cities and under the UN 2030 Agenda for sustainable growth, cities appear to play a crucial role in securing humanity against social threats [1; 2] and generating sustainable and circular cities. In this regard, cities attempt to secure social sustainability and coherence (e.g., deal with affordable energy, poverty, hunger, equal opportunities in education, jobs, and health, etc.) and enhance their performance to become friendlier and able to host their increasing populations. Additionally, new types of business appear (e.g., for smart energy), while the co-existence of autonomous things and people generate another challenge that cities have started phasing. This workshop aims to demonstrate how web applications Apps can Web intelligence serve communities.

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

- Smart Cities as Hubs: a use case from Biotechnology
- Towards High Resolution Urban Heat Analysis: Incorporating Thermal Drones to Enhance Satellite Based Urban Heatmaps
- Towards a Sustainability Index Calculator for Smart Cities

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

Table 1: Workshop’s performance

Submission Type	Reviewed	Accepted	
Full Technical Papers	3	2	75%
Short Paper	2	1	50%
Presentations			

We believe that the program provides a good balance between several trending topics such as applications that strengthen coherence in cities. 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.