



Delft University of Technology

WebAndTheCity'23

9th International Workshop on The Web and Smart Cities

Anthopoulos, Leonidas; Janssen, Marijn; Weerakkody, Vishanth

DOI

[10.1145/3543873.3589739](https://doi.org/10.1145/3543873.3589739)

Publication date

2023

Document Version

Final published version

Published in

ACM Web Conference 2023 - Companion of the World Wide Web Conference, WWW 2023

Citation (APA)

Anthopoulos, L., Janssen, M., & Weerakkody, V. (2023). WebAndTheCity'23: 9th International Workshop on The Web and Smart Cities. In *ACM Web Conference 2023 - Companion of the World Wide Web Conference, WWW 2023* (pp. 701). (ACM Web Conference 2023 - Companion of the World Wide Web Conference, WWW 2023). ACM. <https://doi.org/10.1145/3543873.3589739>

Important note

To cite this publication, please use the final published version (if applicable).
Please check the document version above.

Copyright

Other than for strictly personal use, it is not permitted to download, forward or distribute the text or part of it, without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license such as Creative Commons.

Takedown policy

Please contact us and provide details if you believe this document breaches copyrights.
We will remove access to the work immediately and investigate your claim.



WebAndTheCity'23

9th International Workshop on The Web and Smart Cities

Leonidas Anthopoulos
Department of Business
Administration, University of
Thessaly, Greece
lanthopo@uth.gr

Marijn Janssen
Professor, Delft University of
Technology
m.f.w.h.a.janssen@tudelft.nl

Vishanth Weerakkody
Professor, University of Bradford
v.weerakkody@bradford.ac.uk

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

ACM Reference Format:

Leonidas Anthopoulos, Marijn Janssen, and Vishanth Weerakkody. 2023. WebAndTheCity’23: 9th International Workshop on The Web and Smart Cities. In *Companion Proceedings of the ACM Web Conference 2023 (WWW ’23 Companion)*, April 30–May 04, 2023, Austin, TX, USA. ACM, New York, NY, USA, 1 page. <https://doi.org/10.1145/3543873.3589739>

Permission to make digital or hard copies of part or all of this work for personal or classroom use is granted without fee provided that copies are not made or distributed for profit or commercial advantage and that copies bear this notice and the full citation on the first page. Copyrights for third-party components of this work must be honored. For all other uses, contact the owner/author(s).

WWW ’23 Companion, April 30–May 04, 2023, Austin, TX, USA

© 2023 Copyright held by the owner/author(s).

ACM ISBN 978-1-4503-9419-2/23/04.

<https://doi.org/10.1145/3543873.3589739>

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.