

# AW4City'15 Chairs' Welcome

It is our great pleasure to welcome you to the *2015 ACM Workshop on WEB APPLICATIONS AND SMART CITIES – AW4City'15*, associated with WWW 2015.

This was our initial attempt to organize a premier forum to address web-based application and Apps' design and development in the smart city context, which is a rapidly emerging domain and suggests a steadily evolving dominant market. Applications of these types are crucial, since they refer to all the dimensions of common smart city frameworks: economy, mobility, environment, living, people and governance while no particular standards define rules for corresponding application development. The mission of the symposium is to share the theoretical context, the existing state and current issues and trends with regard to developments for future cities' applications (web-based and Apps). Same types of applications (web-based applications and apps) for instance, aim to deliver different visions and ambitions, which come even from cities of the same country (i.e., in U.K. Bristol, Birmingham, Glasgow or in China where about 500 different smart cities are being built from scratch), while this issue is more challenging at a supranational level (European Union). Similar challenges are crucial for web-based end-to-end smart city management applications too, which are being developed by different vendors.

The call for papers attracted submissions from Asia, Europe, and the United States. The program committee, with the contribution of additional scholars performed a blind peer-review process and accepted the following:

<i>Venue or Track</i>	<i>Reviewed</i>	<i>Accepted</i>	
Full Technical Papers	9	8	88%
Short Experience Reports	2	1	50%

Selected papers discuss topics of extreme interest regarding workshop's objectives: personalized smart city services via the web; IoT-aware smart museum services; end-to-end web applications for smart cities; use-case methodologies and business modeling for smart city web applications; smart governance informatability; multimodal presentation with web applications; fault reporting and smart city management applications; and smart city modeling and performance measurement frameworks. All this broad context cover the state-of-the art in the smart city web applications context and deliver useful outcomes for corresponding future agenda. We also encourage attendees to attend the keynote presentations, which come from prestigious international organizations (World Bank and International Telecommunications Union (ITU)) and hold important experiences regarding AW4City'15 workshop's context, which they will share with attendants. These valuable and insightful talks can and will guide us to a better understanding of the future agenda regarding:

- *Open Data in Smart City: international views*, Arthur J. Riel (who is currently a Director at the World Bank)
- *Standards for Smart Sustainable City*, Cristina Maria Bueti (who is currently an Advisor of ITU-T Study Group 5 "Environment and Climate Change" at the International Telecommunication Union)

Putting together *AW4City'15* was a team effort. We first thank the authors for providing the content of the program. We are grateful to the program committee and the senior program committee, who worked very hard in reviewing papers and providing feedback for authors. Finally, we thank the hosting organization and ACM SIGs. We hope that you will find this program interesting and thought-provoking and that the workshop

will provide you with a valuable opportunity to share ideas with other researchers and practitioners from the government, the academia and the industry around the world.

**Leonidas Anthopoulos**

*AW4City General Chair  
TEI of Thessaly, Greece*

**Marijn Janssen**

*AW4City Program Chair  
Delft University of Technology,  
The Netherlands*

**Vishanth Weerakkody**

*AW4City Steering Committee Chair  
Brunel University, UK*



# AW4City'15 Organization

**General Chairs:** Leonidas Anthopoulos (*Business School, TEI of Thessaly, Greece*)  
Marijn Janssen (*Delft University of Technology, The Netherlands*)  
Vishanth Weerakkody (*Brunel Business School, London, UK*)

**Program Chairs:** Leonidas Anthopoulos (*Business School, TEI of Thessaly, Greece*)  
Marijn Janssen (*Delft University of Technology, The Netherlands*)  
Vishanth Weerakkody (*Brunel Business School, London, UK*)

**Steering Committee Chair:** Vishanth Weerakkody (*Brunel Business School, London, UK*)

**Steering Committee:** Marijn Janssen (*Delft University of Technology, The Netherlands*)  
Vishanth Weerakkody (*Brunel Business School, London, UK*)

**Program Committee:** Arthur Riel (*The World Bank, Washington, USA*)  
Cristina Maria Bueti (*International Telecommunication Union (ITU)*  
*Advisor of ITU-T Study Group 5 “Environment and Climate Change”*)  
Christopher G. Reddick (*The University of Texas at San Antonio, USA*)  
Markus Rittenbruch (*Queensland University of Technology, Australia*)  
Yi Zhang (*UCSC, USA*)  
Flora Salim (*RMIT University, Melbourne, Australia*)  
Michael Sachs (*Zentrum für E-Governance, Donau-Universität Krems*)  
Stephen Cohen (*Microsoft, USA*)  
Nikolaos Mavridis (*NCFSR DEMOKRITOS, Greece*)  
Alois Paulin (*TUWien, Vienna, Austria*)  
Panos Fitsilis (*TEI of Thessaly, Larissa, Greece*)  
Gordon Feller (*CISCO, USA*)

**Additional reviewers:** Marion Gottschalk (*OFFIS – Institute for Information Technology*)  
Mathias Uslar (*OFFIS – Institute for Information Technology*)  
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Marco Mevius (*HTWG Konstanz Constance, Germany*)  
Vincenzo Mighali (*DALab, Dept. of Innovation Engineering,*  
*University of Salento, Italy*)  
Sergio Consoli (*National Research Council (CNR), Italy*)  
Diego Reforgiato (*National Research Council (CNR), Italy*)  
Christopher Krauss (*Fraunhofer FOKUS, Germany*)  
Miggi Zwicklbauer (*Fraunhofer FOKUS, Germany*)  
Leyla Zhuhadar (*Western Kentucky University, USA*)  
Antonio Pescapé (*University of Napoli Federico II, Italy*)  
Eduard Natale (*University of Napoli Federico II, Italy*)