



# UrbaNe Workshop @ ACM CoNEXT 2012

**December 10, 2012**  
**Nice, France**

## **The First Workshop on Urban Networking - UrbaNe'12**

in conjunction with ACM CoNEXT 2012

<http://conferences.sigcomm.org/co-next/2012/workshops/urbane>

### **Overview**

The urbanization of society continues to increase: in 2009, the fraction of world population living in urban areas was above 50% (more than 75% in developed countries). It is forecasted that another 10% of the world population will move to metropolitan regions within the next 15 years, leading us into the so-called "urban millennium".

The scale and the pace that characterize the phenomenon of urbanization raise evident questions on its sustainability. For metropolitan areas to be able to accommodate the current population growth rate and avoid the risk of creating "urban wastelands", the overall management of city resources has to be reconsidered for greater efficiency (and possibly fairness). Information and Communication Technologies (ICT) are expected to play a key role in such a process, their capillary integration in urban environments giving birth to "smart/digital cities".

This workshop aims at bringing together researchers and practitioners from both industry and academia to promote the discussion on networking solutions for upcoming smart/digital cities. It aims at fostering the debate among participants on (i) the identification of the urban features that are the most critical to networking, (ii) the definition and the classification of networking challenges deriving from such features, and (iii) the proposal of original network solutions that can cope with these challenges.

### **Topics of interest**

We invite submissions on all aspects of networking research that have a strong focus on urban environments, including:

- models of human mobility in urban regions
- sensor/actuator networks for urban sensing
- urban data collection and dissemination
- opportunistic/spontaneous/delay-tolerant networking in urban environments
- self-configuring and self-healing autonomous urban networks
- protocols for capillary urban networks
- infrastructure deployment in urban environments
- cellular networks for urban areas
- intelligent urban transportation systems
- management of critical resources in urban environments (water, energy, etc.)
- internet of things and augmented reality for urban environments

### **Submissions guidelines**

Submitted papers must be at most six (6) pages long and formatted according to the standard alternate ACM double column format. Submitted papers must not have been previously published nor be currently under consideration for publication elsewhere. Accepted papers will be published in the CoNEXT 2012 proceedings, and will be made available on the ACM Digital Library.

### **Important dates**

Abstract submission: July 13, 2012

Paper submission: July 20, 2012

Notification of acceptance: September 15, 2012

### **Program Co-Chairs**

Marco Fiore (INSA Lyon and INRIA UrbaNet, France)

Catherine Rosenberg (University of Waterloo, Canada)