The First International Symposium on

Last-Mile Smart Mobility

In conjunction with IEEE joint conferences

19th IEEE International Conference on Computational Science and Engineering
14th IEEE International Conference on Embedded and Ubiquitous Computing
15th IEEE International Symposium on Distributed Computing and Applications

August 24-26, 2016
Paris, France

Overview

The world’s population is becoming increasingly city-based, with 50% – or 3.5 billion people – living in urban areas. By 2050, this figure is expected to reach 70% of the population (6.3 billion people). As a result, urban mobility is one of the toughest challenges that cities face. Improved accessibility requires innovative and smart solutions to remove economic and social barriers that improve access to regular services in all appropriate transport modes for all people including disabled and elderly. Easy access to efficient transportation services is essential to the quality of life in urban areas.

To tackle the urban mobility challenges, the first International Symposium on Last-Mile Smart Mobility aims at becoming annual forum for presenting and discussing new technologies relevant to new alternative solutions to traditional cars, as their extensive results in more traffic congestion, noise, pollution, and less safe environments within cities. The objective of the symposium is to debate all aspects relevant the last-mile smart mobility from the embedded and ubiquitous computing perspectives. The symposium aims at providing an overview of the state of the art as well as industry trends. Several topics of discussion will be facilitated, including, but are not limited to, the following areas:

- Last Mile Logistics
- Personal Transporters
- Smart Environment
- Mobility Behavior
1. **Personal Transporters**
Innovative solutions for getting people from their residence to public transportation and from public transportation to the place of work.
- Last-mile mobility solutions
- Portable and pocket-sized personal transporters
- Assistive mobility for elderly and challenged persons

2. **Last-Mile Logistics**
New technologies for the last mile logistics and goods deliveries within urban area, from local stores or depots to citizens home or work doorstep.
- Last-mile deliveries solutions
- Autonomous mobile robots
- Drone-based delivery systems

3. **Smart Environment**
Mobility innovative applications and services based on ambient intelligence to assist residents as well as tourists in in their travel journey across a multi-modal transport network.
- Mobility in ambient intelligence and smart environment
- Augmented reality for enhanced urban mobility
- Artificial intelligence in transportation Systems

4. **Mobility Behavior**
Mobility sensing, modeling, and analyzing of people preferences related to last-mile mobility solutions based on mobility behavior observed through smart phones and GPS loggers.
- Tracking, tracing and automatic behavior analysis
- Mobility living lab, simulation, data visualization and analysis
- Car sharing systems, modelling, algorithm and communication

This present call is for original and unpublished papers non-longer than 8 pages. The reviewer will be single blind. The manuscripts should be formatted in standard IEEE camera-ready format (double-column, 10-pt font) and be submitted as PDF files (formatted for 8.5x11 inch paper).

Papers accepted for the technical program of the symposium will be included in the conference proceedings to be published and indexed in the IEEE Xplore Digital Library. Selected papers of exceptional quality will be invited for submission to special issues of the IEEE Transactions on Intelligent Transportation Systems and the IEEE Transaction on Robotics.

**Symposium General Chairs**
Eric Monacelli, University of Versailles, France

**Location**
Mines ParisTech, Paris, France

**Contact**
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**Important Dates**
Submission deadline: April 18, 2016
Author notification: June 6, 2016
Final manuscript due: July 11, 2016
Conference dates: August 24-26, 2016

**Organizing Committee (to be published)**
**Program Committee (to be published)**
**Keynote Speakers (to be published)**