



The language  
of innovation II Forum  
Architecture  
and Urban Planning IV Forum

TJU Shanghai CHINA - UNIFI ITALY

Scientific advisors  
Marco Bellandi,  
Maria Chiara Torricelli,  
Li Xiangning,  
Wang Ruiguang

Organization committee  
Silvia Scaramuzzi,  
Nicoletta Setola,  
Paolo Oliveri,  
Caroline Maaz

# Smart Cities

15th December 2016



Florence University  
Department of Architecture  
Palazzo Vegni, Aula Magna "Mario Zaffagnini"  
via San Niccolò 93, Firenze

A new urban model - the smart city - is establishing where urban planning is carried out in an integrated way with the scope of the smarter use of resources and cultural, social, natural and technological heritage. In a human centered perspective, the smart city is also a healthy city where the focus on human health and well-being, with its relationship to social capital and environmental quality, offers a means to sharpening urban planning for sustainability and quality of life. In China the urbanization is an important phenomenon and it is a clear need to develop new models to cope with the tremendous problem of environmental impact, social guarantees and health of people in the cities. In Italy, despite some

delay, there are examples of smart cities initiatives for services, transport, networks and apps in the context of historical urban fabrics. The model covers not only big cities but also smaller cities. The attention to the health of citizens is grafted too on smart cities perspectives to enhance effectiveness of health services in the territory.

15th December 2016 2.00 pm - 6.30 pm

2.00 pm

Welcome Coffee

2.30 pm

**Institutional greetings**

**Giorgia Giovannetti**, Florence University  
Vice President for International Relations  
**Saverio Mecca**, Florence University  
Director of the Department of Architecture  
**Valentina Pedone**, Italian Director of the Confucius Institute

3.00 pm

## Forum Smart Cities

Modern cities have high resource consumption and environmental impacts, the population growth of the cities expresses new and different needs. Cities should be conceived as a transforming ecosystem. A new framework and new parameters must be used for cities that are smart not only because they save energy, use ICT, improve mobility, but because they enhance the role of cities in the economy, social cohesion and quality of life of citizens.

### chairman

**Marco Bellandi**, Florence University and Confucius Institute

Introduction  
of the Topic  
Discussion

**Andrea Simoncini**, Florence University  
Chairman of the Scientific Committee of the Strategic Plan  
for Florence Metropolitan City

### lectures

**Integration of Intelligent Transport Systems and Smart Cities in China**

**Li Xinghua**, Tongji University  
Director of China Transportation Development Research  
Institute

**Sustainable Urban Mobility**

**Marco Pierini**, Florence University  
Department of Industrial Engineering

**ICT Solutions for Smart City Urban Platforms**

**Paolo Nesi**, Florence University  
Department of Information Engineering

**Smart Detection and Operation Optimization in Urban Water Networks**

**Kang Qi and Zhao Zeyu**, Tongji University  
Department of Control Science and Engineering

**Metropolitan Renaissance: Smartness and Resilience in the Strategic Plan for Florence Metropolitan City**

**Valeria Lingua**, Florence University  
Department of Architecture, Regional Design Lab

6.00 pm - 6.30 pm Open discussion and conclusions