



#### Scientific advisors

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

#### Organization committee

Silvia Scaramuzzi,  
Nicoletta Setola,  
Paolo Oliveri,  
Caroline Maaz

#### Info point

info@istitutoconfucio.unifi.it  
nicoletta.setola@unifi.it

Dipartimento di Architettura  
Università di Firenze  
via San Niccolò 93 - 50125 Firenze

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

TJU Shanghai CHINA - UNIFI ITALY

## Smart Cities

15th December 2016

## Healthy Cities

16th 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

16th December 2016 9.00 am – 4.30 pm

## Forum Healthy Cities

Creating caring and supportive environments for all citizens is the goal of Healthy City concepts and planning practices, at all scales from macro to micro. Health integrated plans provide conditions and opportunities that encourage healthy lifestyles for people of all social groups and ages. The physical and built environment of Healthy Cities enable and support not only health, but also recreation and well-being, safety, social interaction, accessibility and mobility, as well as a sense of pride and cultural identity responsive to the needs of all its citizens.  
[inspired by WHO European Healthy Cities Network]

9.00 am **Institutional opening**  
**Silvia Scaramuzzi**, Florence University and Confucius Institute

chairman **Maria Chiara Torricelli**, Florence University  
Department of Architecture

Introduction of the Topic Discussion  
**Marco Geddes**, Experienced Doctor of Hygiene and Public Health

lectures **Exploration of Approaches and Factors of Healthy City Planning in China**

**Lan Wang**, Tongji University, Department of Urban Planning, College of Architecture and Urban Planning

### **Healthy City Planning in the European Perspective: the Medical Neighborhoods Approach**

**Alvaro Valera Sosa**, Berlin University of Technology  
Institute of Architecture

### **Territorialisation of Social and Health Facilities**

**Gabriella Peretti, Grazia Cocina, Francesca Thiebat**, Polytechnic of Turin  
Department of Architecture and Design

### **Some Considerations about the Impact of the Ageing Society on Urban Space**

**Antonio Lauria**, Florence University, Department of Architecture

### **Flows of People between Spaces as a Driver of Health and Well-being**

**M. Chiara Torricelli, Luca Marzi, Ilenia Romano, Nicoletta Setola**, Florence University, Department of Architecture

1.00 pm light lunch

lectures **The Development and Challenge of Contemporary Chinese General Hospital Design**

**Prof Long Hao**, Chongqing University, Department of Architecture, Faculty of Architecture and Urban Planning

### **Reducing Hospital Operating Cost through Better Design**

**Romano Del Nord**, Florence University, Department of Architecture

### **Food Democracy, Sustainable Diets and Healthy (R)urban Environments: the Promise of Livorno Urban Food Strategy**

**Giaime Berti, Silvia Scaramuzzi**, Florence University, Department of Economics and Management

4.00 pm – 4.30 pm Open discussion and conclusions