

# Active Public Space – BCN Workshop

## **Introduction**

More than 70% of the EU's citizens live in urbanised regions: cities and urban areas are centres of economic development, services, knowledge and creativity. Public space is the soul of the City, merging all the city's features and materialising them. It is an area of overlap and interconnection, a place where the character and culture of a Society is materialized.

If the public space we inhabit today was mostly constructed prior, or during, the Industrial Revolution, the Information Society is now beginning to bring new principles and technologies with which to rethink the functioning and structure of streets, avenues, squares and parks.

Public space can now be transformed into Active Public Space, fostering human interaction with flows of energy, materials, services and finances to catalyse sustainable economic development, resilience, and high quality of life.

Smart Urban Technologies are essential for this change and consist on a combination of software and hardware that allow energy generation, storage and reuse, material adaptability and real-time management of time-uses and citizen-space interaction.

The aim of the workshop is to provide participants, through theoretical and practical exercises, with the necessary knowledge to better design Active Public Space.

Each participant in the workshops will develop technological skills and gain a deep understanding of parametric and sustainable design, new smart and sustainable materials for construction, and the potentials of different hardware and software applications in public space.

Additionally, participants will gain a deep understanding of the methodologies for citizen participation in design, programming and time-occupation of public space.

## **Target**

The workshop is aimed at students, professionals, artists and politicians coming from the fields of architecture, urbanism, design, engineering or relevant fields.

## **Dates**

The workshop will last three days between 5<sup>th</sup> and 11<sup>th</sup> of September. Each day 8 hours of activities are foreseen.

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### **Language**

English

### **Location**

The workshop will take place at IAAC training facilities.

### **Program**

The workshop will focus on the principles, implications and applications of ICTs for urban space and will include the following modules:

- parametric design based on environmental conditions and selected data
- real time data visualization
- digital interfaces for the design and participatory management of public space
- urban monitoring devices
- smart advanced materials and applications in the built and public space
- lectures by IAAC experts on technologies developed for smart energy management

Each module will be developed through theoretical inputs given by experts, and practical exercises targeted at the construction of an interactive installation.

At the end of the workshop a final public presentation of realized work and closing discussion will be organised.

### **Fee**

50€

### **How to participate**

The workshop is open to 15 participants.

Eligibility: students & professionals coming from Architecture, Urbanism, Design, Art & Engineering. Participants have to be European citizens

In order to apply please send your cv to [info@activepublicspace.org](mailto:info@activepublicspace.org) providing the following information: Name / Age / Nationality / Education / Work experience / Experience in public projects & activities

Please write in the e-mail subject: BCN workshop application

### **Calendar**

Call for applications opening: August, 20<sup>th</sup> 2016

Call for applications closing: August 29<sup>th</sup> 2016

Participant selection and communication: August 30<sup>th</sup> 2016

Workshop: September, 5<sup>th</sup>- 11<sup>th</sup> 2016

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With the support of:

**Iaac** | Institute for  
advanced  
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