

Smart City Expo World Congress

Call for papers 2013 Terms and conditions

Index

1. Purpose of the call for papers
2. Smart City World Congress covered topics
 - Energy
 - Technology & innovation
 - Collaborative city & the smart society
 - Sustainable built environment
 - Mobility
 - Governance & economy
 - City resilience & security
 - Smart Geo
3. Organizer of the call
4. Who can participate?
5. Presentation of papers
6. Entry deadline
7. Evaluation Criteria
8. Evaluation process
9. Selected papers categories
10. Selection communication
11. Intellectual and Industrial Property Rights
12. Data Protection
13. Queries and suggestions

1. Purpose of the call for papers

The world's population is growing and concentrating in cities. This is a process that started with the industrial revolution two hundred years ago and is still on-going in an intense way. A 2011 UN report on human settlements estimates that 70% of the world's population will be living in cities by 2050. In this context, cities need to develop an economic and environmentally sustainable growth in order to improve the quality of life for all.

Cities will have a major role dealing with the fundamental challenges of the 21st century: climate change and other environmental threats; high consumption of non-renewable resources; economic development; growing populations; and ageing infrastructures.

In this context, the Smart City Expo World Congress is the meeting point for companies, public administration, entrepreneurs and research centres to show, learn, share, network and gather inspiration to support today's development of future cities.

The event will be composed of an **Exhibition Area**, showcasing innovative companies and reference cities already implementing the smart city initiative, and the **World Congress**, which will see key note speakers introduce and debate pioneering approaches.

This call for papers is looking for speakers with the most relevant contributions and innovative initiatives in the world.

All authors are cordially invited to submit papers to Barcelona's Smart City Expo World Congress 2013.

2. Smart City World Congress covered topics

The Smart City World Congress is built around the concept of a "Smart Society for innovative and sustainable cities", integrating the following underlying themes: **Energy, Technology & Innovation, Collaborative City & the Smart Society, Sustainable Built Environment, Governance & Economy, Mobility, Smart Geo and City Resilience & Security**. Please find a brief explanation of each theme, followed by an open list of topics, detailed below:

Energy

Cities are a major contributor to CO₂ emissions in Europe and America. Forthcoming challenges include improving efficiencies in energy consumption and transport, increasing production from distributed and renewable sources, developing a new ways of grids energy management, boosting energy production on an urban scale, or reducing the energy needs and its environmental impact.

Guidance topics:

Distributed and Renewable Energies in cities
Urban Energy Production & Storage
Energy Management, Smart Grid & Energy Efficiency

New business models and regulations
Reducing energy needs and its environmental impact

Technology & innovation

Thanks to modern technology, cities can now be converted into sensory beings that communicate their needs and their responses to certain scenarios in real-time. To efficiently respond to challenges in areas such as mobility, energy and environmental protection, tomorrow's cities must establish systems capable of handling the massive amount of data generated by their residents and infrastructure.

Guidance topics:

Integrated Vision
Internet of Things (IoT) / Machine to machine (M2M)
City in the Cloud
Big Data
Urban Sensorization Solutions
Data visualization and mapping

Collaborative city & the smart society

ICTs are setting a new landscape for analysing society, to make it interact and collaborate, to empower citizens to develop their initiatives, to foster creativity and to learn new ways to innovate. Furthermore, the same applies when ICTs are not broadly available, as key policies still deal with collaboration, creativity, right decisions and better place.

Cities must foster creativity, innovation and economic development. They must be an inclusive project for all citizens. Cities must be reinvented and transformed to develop themselves more sustainable, improving quality of life and economic performance. This should be a shared vision and way forward for citizens, and public and private organization.

Guidance topics:

Co-city: collaboration, entrepreneurship & creativity
Social innovation
Citizen engagement & participation
Urban entrepreneurship
Urban regeneration & Creative city

Sustainable built environment

The world is facing major environmental challenges, and cities are major consumers of energy and natural resources.

A sustainable built environment tackles the environmental challenges of the space where we live and work. Cities must care and protect the environment, and integrate different kinds of green spaces, urban agriculture, urban services and urban utilities into a new urban model.

On cities energy, new decentralised infrastructures for energy production are being explored and also new ways for building zero carbon housing, both for new and existing housing stocks.

Waste and water management has to evolve from today's recycling model to a new model that includes the product lifecycle, inverse logistics procedures and waste/water consumption reduction.

The problem of emissions and climate change, and the most updated solutions and proposals for reducing CO2 emissions, adapting and mitigating climate change.

Guidance topics:

City sustainability / Liveable cities
Smart growth / Rethinking cities
Green building
Water management
Product cycle / waste management
Green spaces / Urban green
Climate Change

Mobility

For the last 20 years, cities have been challenging the mobility paradigm generated around cars as the principal mode of transport. Car-centred planning is now refocusing on the human scale and the paradigm of today's car is being challenged with new developments of alternative energy sources.

There is a widespread use of new ICTs for all means of transport, which allow for real-time information or variable signalling according to traffic conditions; there is a change of focus from policies to develop infrastructures to those concerned with the improvement, and integration of the management of mobility services; and developing new infrastructures necessary to make the use of all alternative energy sources more widespread is becoming also a priority on all political agendas.

Guidance topics:

New mobility paradigms
Multimodal mobility on demand
Intelligent Transport Systems
Sharing urban mobility space
Alternative energy sources for mobility
Mobility and location management

Governance & economy

City governments need to play a major role in the implementation of reform agendas.

In modern society, the city governments are facing higher demands from their citizens with regard to services offered and to the capacity to influence or to have a voice in the city government. This happens in an environment of decreasing economic resources and within a conflictive share of responsibilities among city, regional, national and supra-national government bodies. A new urban services management model needs to be developed. Partnerships with private companies are crucial to developing any new projects.

In addition, technology also provides new ways to boost citizen participation and to develop open government to the public. Fostering of creativity and entrepreneurship are among the main policies that have to be developed: open government, transparency and open data.

Guidance topics:

Governance Models / Governance Frameworks
Public-Private Collaboration
Funding Smart Transformation
Smart & Open Government
Open data

City resilience & security

City resilience refers to the city's capacity to react to unexpected situations as natural disasters or accidents that could cause disruptions on urban services or transportation networks.

ICTs are becoming a key partner to help manage, monitor and detect accidents or system failures or anomalies, and to manage critical situations once they occur. This includes police, rescue or emergency health services coordination and city resilience monitoring and management.

Guidance topics:

Urban resilience strategies
Urban utilities ICTs solutions
Security and emergencies city services

Smart Geo

Smart Geo covers a wide variety of fields, ranging from surveying, geo-information systems, remote sensing and photogrammetric techniques to supplementary solutions and technologies.

The Geographic Information System (GIS) facilitates the analysis of the different systems composing the smart city (energy, environment, mobility...) with visualization solutions of data captured globally (satellites, remote sensing, etc.) and local geo-information data.

This technologies also offers a platform for pioneering developments on the market of today and tomorrow – multi-sensor technology in data acquisition, mobile computing, cloud sourcing, 3D applications, using satellite positioning – and for the trends towards geo web solutions.

Guidance topics:

Cartography and Remote sensing and photogrammetry
Geographic Information Systems (GIS) and Geo-information visualization
Geodesy and navigation

3. Organizer of the call

This call for papers is organized by Smart City Expo World Congress.

4. Who can participate?

The **Smart City World Congress** is aimed at cities, businesses and entrepreneurs, research centers, universities and other public or non-governmental organizations or consortiums (public-private) with innovative Smart City ideas, studies, visions and solutions.

5. Presentation of papers

To enter in the running call for papers, please fill [in the form available here](#).

Papers must be submitted electronically via this website and are to conform to the terms and conditions here included.

The form and all complementary information will have to be filled out entirely in English or Spanish.

No proposals in any other languages will be accepted.

The organization reserves the right to ask for any clarification or additional information about the submitted entries.

No additional documents to the web form will be accepted, unless required by the organization.

The web form to be fulfilled will require, among other details:

- Submission Title (max 50 characters)
- Brief (Provided a brief description of your paper – max 300 characters)
- Abstract (Provide a short summary of your submission – max 2,000 characters) - You might include the problem solved, context of implementation, state of implementation, country of implementation, added value of the proposal/conclusion, methodology of resolution, solution/conclusions, and any other useful information to synthetically understand the main ideas of your proposed paper.
- Keywords (max 50 characters)

The uploaded document should be no longer than 10 pages/slides. Only PDF format will be accepted.

There is no limit to the number of submissions by author, but it is important to submit only on areas of key importance to your business/expertise. As a guideline, we recommend no more than 3 submissions per author / company / organisation.

6. Entry deadline

The Call for papers will be open until the end of **May 15th 2013, 00.00 CET**.

7. Evaluation Criteria

Speakers are selected based on the topic relevance and originality of their submission, in addition to their proven ability in the proposed topic and overall prominence in the industry/sector/field of expertise.

The primary objective for the Smart City World Congress is to create the most compelling conference program possible. We use the following criteria to review each submission:

- Relevance of the subject
- Strength of the angle taken
- Originality of the proposed content
- Newsworthiness of the proposed content
- Quality and level of the speaker
- Strength of the references offered

The organization of the Congress will work to ensure that the overall programme, and each session within it, remains balanced. In order to achieve this, we look to include a variety of viewpoints and representatives to ensure that the number of speakers from individual companies/organizations is limited, and reflective of their representation in the Smart City field.

8. Evaluation process

The evaluation process is divided into two phases:

1) Regulation compliance

The organization will conduct a first evaluation to check whether the proposal complies with the requirements. Papers could be subject to additional request of information or clarification.

2) Paper selection

A technical committee of experts that work in the thematic areas covered by the World Congress will then evaluate the papers by topic and select:

- Papers for a Congress parallel session
- Papers for a Congress elevator pitch session
- Papers to be exhibited as Poster in the Exhibition area
- Declined papers

The number of papers per category is subject to consideration by the technical committee of experts.

9. Selected papers categories

As a reminder, the event is composed of an **Exhibition Area**, showcasing innovative companies and reference cities already implementing the smart city initiative, and the **World Congress**, which will see key note speakers introduce and debate pioneering approaches.

If the paper's evaluation were to be successful, they would then be eligible for one of the following three options:

- **Papers selected for Congress Parallel Sessions**

These presentation slots will be of 12 minutes within a panel session typically running for 60 minutes.

Every speaker for a Congress Parallel Session is given a free 3 days pass for the World Congress and the opportunity to purchase additional passes with a discount rate (-25%).

Speakers coming from universities, publicly funded research centres and public administrative bodies will be offered a financial aid for flights and accommodation. The organization reserves the right to evaluate whether the candidate can be subject for this consideration.

- **Papers selected for Congress Elevator Pitch Sessions**

This will be a short 5 minutes presentation within a session running for 60 minutes.

Every speaker for a Congress Elevator Pitch Session is given a free 3 days pass for the World Congress, and the opportunity to purchase additional passes with a discount rate (-25%).

- **Papers selected as Posters**

Some papers will be offered the opportunity to be exhibited as posters in the Exhibition area.

Poster authors will get a free pass for the **Exhibition area**, and the opportunity to buy **World Congress** passes with a discount rate (-25%).

10. Selection communication

Selected papers will be informed from June 12th 2013.

11. Intellectual and Industrial Property Rights

The participant is responsible for the authorship of the submitted paper; he/she is the owner of the intellectual and, where applicable, industrial property rights thereof.

The participant is accountable for the paper submitted not violating intellectual property rights, industrial property rights, copyright and/or image rights and assumes complete responsibility with regard to third parties: the Organization is free of all liability.

Once the paper has been selected, the organizers may make public any details considered as public (author, company / organization, title, brief, abstract, website, and topic).

12.Data Protection

Due to the sensitive nature of the information supplied, the World Congress organizers, the coordinator, and the members of the technical committee guarantee to keep the identity of participants and the content of their papers confidential outside the sphere of the **Smart City World Congress**.

This also includes any information about its current state of use or development.

Once the paper has been selected, the organizers may make public any details considered as public (author, company / organization, title, brief, abstract, website, and topic).

13.Queries and suggestions

If you have any queries or suggestions, please email to: smartcity.congress@firabarcelona.com

If you are interested in commercial opportunities to enhance your company's profile at Smart City Expo World Congress, please contact smartcityexpo.ventas@firabarcelona.com

Entering the call for papers implies full acceptance of its rules
