



IEEE Smart Cities Initiative Global Municipalities Engagement Application

The [IEEE Smart Cities Initiative](#) is inviting applications from municipalities worldwide that are in the process of improving their attractiveness, their resilience and the quality of life of urban residents. Two cities will be selected from submissions received by the 31st August deadline to receive funding and support from the IEEE Smart Cities Initiative to host a workshop in their city before the end of 2015.

IEEE Smart Cities has already provided investment to three selected IEEE Core Cities – [Guadalajara](#), Mexico; [Trento](#), Italy; [Wuxi](#), China – through strategic and practical advice from a dedicated team of IEEE experts, as well as education and training, to help them address the huge demands on land, resources and services associated with expanding urban living environments. The IEEE Smart Cities Steering Committee will select two additional Core Cities to join these municipalities.

Successful applications will provide clear, compelling evidence that the submitting municipality is well-positioned to utilize the resources offered through the IEEE Smart Cities Initiative, that its proposed evolution to a smart city has the potential to substantially enhance a city's capacity to act on key issues and that the city can demonstrate plans to invest human and financial capital into the project.

Requirements:

- A municipality must demonstrate that it already has a comprehensive plan and funds for the smart city evolution effort
- Local constituencies—municipality, industry, universities, etc.—must agree to involve IEEE in the planning and design of the smart city project
- Local authorities must be willing to share experiences at an international level
- A local IEEE Chapter and Section must exist to take local responsibility and support the project for the 2015 workshop – and additional activities in the future
- A local university or group of universities must be interested in working the smart cities space, and some form of local industry commitment must exist
- Universities must have a curriculum, as well as Masters and PhD programs, in smart cities or in subject areas related to smart cities
- Universities have the necessary skills and resources in designing and running Massive Open Online Courses (MOOCs)
- The necessary infrastructure to organize international conference is available
- The selected city must be able to plan, arrange and conduct their workshop in 2015

Municipalities selected for the IEEE Smart Cities Initiative will be required to exchange lessons learned and other ideas and information among citizens, elected officials, non-profits, businesses, city planners and IEEE team members, to help all project participants make informed decisions.

The activities that will be conducted by the two selected cities will be divided in two phases:

PHASE ONE: The first phase, which must be completed before the end of 2015, includes:

- Organizing and hosting of a kick-off workshop
 - For example, see information on the Trento [workshop](#)
- Organizing thematic working groups
- Producing initial versions of white papers, position papers, and guidelines

PHASE TWO: Provided IEEE Smart Cities receives the necessary annual funding, a second phase will be validated based on Phase 1 deliverables, continuing in 2016 and following years. If the funding is approved, activities would include:

- Producing updated versions and new white papers, position papers, and guidelines
- Choosing 10 master students and 2 PhD students to work on selected topics with the working groups
- Designing and building 4 MOOCs
- Organizing and hosting an international IEEE Smart City conference. These events take place every two years.

One of the key outcomes of the kick-off workshop will be the presentation of the workplan for working groups, educational activities, knowledge production, building MOOCs, and organizing international conferences. This will be considered as a milestone to continue activities in 2016.

A side meeting will be organized during [ISC2 in Guadalajara](#) on 25th-28th October 2015 to help the two selected IEEE Core Smart Cities to prepare their kick-off workshop.

The deadline for submissions is Monday, 31 August 2015.

The IEEE Smart Cities Steering Committee will review the applications received by this date and develop a short list of candidates who meet the criteria. Two municipalities will be selected from this short list and the two new IEEE Core Cities will be notified and announced by 15th September 2015.

NOTE: Municipalities not selected in this round, but whose motivation is proven application quality will be eligible to become [IEEE Affiliated Smart Cities](#) and will benefit from:

- Branding as an “IEEE Affiliated Smart City” in any official communication
- Promotion of the city’s developments through the IEEE Smart Cities website, with contributed articles or whitepapers to inform the world of plans and progress on the city’s “smartification” process
- Preferred speaker registration in IEEE Smart Cities Initiative conferences
- Proposing candidates to join the expert committee
- Participation in kick-off workshops of core cities selected in the future
- Complimentary access to IEEE Smart Cities Initiative white papers and a preferred access to the courses being developed by IEEE Core Smart Cities
- Opportunities to join other initiatives (hackathons, working groups, etc.) that are organized by associations or institutions that have close links or that are recommended by IEEE Smart Cities Initiative

As a member of a worldwide network of cities, IEEE Affiliated Cities raise discussions on the smartification topics that are at the heart of the city’s smartification plan.

Applicant Contact Information

[Please complete **all** fields]

- Date of application:
- Municipality (city, country):
- Municipality website:
- Name of person completing the form:
- Position:
- Organization:
- Office phone:
- Mobile phone:
- Email:
- Alternate email:
- Organization website:
- Organization mailing address:

Area of Focus

[In no more than 1,000 words per question]

- Describe the comprehensive strategy to evolve to your smart city, the main issues you are attempting to solve.
- Identify and describe the elements/activities of your plan, as well as the timeline.
- Define the commitment already made from a financial and personnel perspective for this effort. How much money has already been allocated?
- Identify the specific organizations involved, and describe their roles and what activities are already underway or completed. What partners are already involved/committed? Names and contact details are welcome, as well as evidences of future commitments.
 - Governmental & Municipal Organizations
 - Universities, education bodies
 - Local Industrial partners
 - IEEE bodies
 - Any other involved partner?
- Provide the names and backgrounds of the key individuals leading this effort.
- Describe the base of talent and knowledge available from universities, industry, etc.
- Describe how the smart city effort fits with the plan for economic growth—job creation, technological innovation, etc.—in your municipality.

- Provide metrics related to the smart city's progress – where did you start, where are you now?
- Please describe:
 - Macro-economic picture
 - Quality of the environment
 - Industrial base
 - Potential for growth
 - Educational base (universities, students, etc.)
 - High-tech community and companies
 - Physical infrastructure

Future IEEE Activities Plans

- Among the main issues you are attempting to solve, what 4 to 6 topic areas you would focus on as an IEEE Core Smart City?
- Please provide preliminary information with respect to the kick-off workshop you will organize before end of 2015
 - Who do you plan to invite (city or regional governance, academics, industry, keynotes...)
 - Where and when is it likely to be organized (will be confirmed regarding IEEE Smart City Steering Committee availability).
 - Please present the team that will be in charge of kick-off workshop organization
 - Preliminary elements for the program
- MOOCs design and production
 - What 4 themes would you select to build MOOCs
 - What are the skills and facilities available in your city to build the MOOCs.
 - Do you have any previous experience you can mention in this area?
 - Who will be the local partner in charge of this task?
- Organization of an International Smart City Conference.
 - What are the available facilities existing in the city to organize an international IEEE Smart City Conference (conference & exhibition facilities, hotels...)

Kick-off Workshop Planning Execution

IMPORTANT: Cities selected must demonstrate they are able to arrange and host their kick-off workshop in 2015. Please provide responses to all questions.

- When will you be able to hold your workshop?
- Where will you hold the workshop?
- What are the initial areas of focus for your workshop?

- Who will you invite to your workshop – academics, industry, etc.?
- How will you promote your workshop?
- Who will run your workshop?
- What will the program for your workshop look like?

Instructions:

- Please submit applications via email to the contact provided below
- Limit your responses (per question) to 1,000 words or less
- Provide up to three (3) pieces of collateral (marketing) material to support your application
- **Deadline for submissions: 31 August 2015**

Please submit applications by Monday, 31 August 2015 to:

Harold Tepper

Senior Program Director – Smart Cities

IEEE Smart Cities Initiative

smartcities-cfi@ieee.org