2ND NSF SUSTAINABLE SMART CITIES INTERNATIONAL WORKSHOP – EGYPT

Sustainable Smart Cities in Arid Regions
CAIRO – APRIL 2019

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The U.S. National Science Foundation, with the assistance of the U.S.-Egypt Joint Science and Technology Fund, is pleased to co-sponsor the 2nd Sustainable Smart Cities Workshop in Egypt. We hope this gathering of scholars and practitioners from the U.S., Egypt, other countries in the Middle East and North Africa as well as the rest of the globe will lead to collaborations that address the many important science and engineering challenges related to developing sustainable and smart cities. From these collaborations we hope to see new research that engages communities and leads to publications as well as implementable ideas. The challenge is global, as is the expertise!

The 2nd NSF Sustainable Smart Cities International Workshop will examine the challenges of advancing sustainable smart cities in arid regions and the roles governments should play in these efforts. It will bring together researchers, practitioners, and government decision makers in a working group format to discuss issues and lessons learned, and develop criteria for evaluating and promoting sustainability projects.

Objectives

The workshop will promote discussions on how to engage government entities and develop integrated policies for promoting and implementing sustainable practices in arid regions. The workshop will have the following specific objectives:

1. Explore how synergistic relationships between government, researchers, and practitioners can help promote sustainable urban development, specifically in arid regions;
2. Bring together the decision making, research, and practitioner communities from the U.S., Egypt, and the Middle East to identify sustainability programs that address regional needs;
3. Identify specific objectives, decision criteria, and performance metrics to help decision makers prioritize and evaluate sustainability projects;
4. Identify mutually beneficial research and training initiatives;

Themes

The workshop will focus on the energy, water, and building systems necessary for the development of sustainable cities in arid environments. Of particular interest will be the nexus of these systems with building codes and policies, and the role of governments in encouraging their development and deployment.

Date and Location

The workshop will be held in Cairo to facilitate participation by government stakeholders and researchers. It is currently scheduled for April 2019.

Who Will Attend

Attendees will include researchers, practitioners, and government decision makers from Egypt, the Middle East, the United States, and Europe. Egyptian representatives will include government ministries, universities, and municipal officials who play key roles in the development of sustainable cities. International representatives will include researchers and practitioners who will provide global perspectives on past experiences and future areas of focus.