EMI Institute for Urban Resilience

2020 Training Program

**MARCH**

GIS FOR URBAN RESILIENCE BOOT CAMP
March 25-27, 2020
bit.ly/EMI-GISURBootcamp

IEMS TED BOOT CAMP
March 30 - April 3, 2020
bit.ly/EMI-TEDBootcamp

GENDER AND DRR ONLINE COURSE
March 8 - April 4, 2020
bit.ly/GDRR-2020MarRegistration

**APRIL**

Upcoming Boot camps

1. Resilient Communications
   May 2020 - bit.ly/RCBootcampRegistration

2. Resilient Waste Management System
   May 2020 - bit.ly/RWMSBootcampRegistration

3. Resilient Water and Wastewater System
   June 2020 - bit.ly/RWWSSBootcampRegistration

More Information

Bootcamp is only limited to 35 participants. We are offering 10% discount for early bird registrants (open until February 23, 2020), women, persons with disabilities and organizations with more than 3 participants.

Learn more about the bootcamp at bit.ly/EMI-GISURBootcamp

A 3-day practical and hands on GIS-RS Training using QGIS, PostgreSQL and Google Earth in their applications in the field of disaster risk reduction (DRR) and emergency management (EM)

Register Now!
bit.ly/GISURBootcampRegistration

EMI for Urban Resilience

Established in 1998

Worldwide experience in 22 countries and 37 cities

Trained over 1000 practitioners globally
Geographic Information System and Remote Sensing (GIS-RS) technology enables us to identify, quantify, and reference the **spatial characteristics** of the natural and built environments. With GIS-RS, we can determine which areas are the most vulnerable in a city and how many people are located in these hazard prone areas. **GIS-RS serves as an essential tool for mapping, spatial planning, as well as assessing and managing hazards and risks.**

The boot camp will provide you with the skill sets to understand and apply GIS-RS technologies for urban resilience and introduce three powerful software and systems in GIS, RS, and database management.

**No previous knowledge of GIS is required.**

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**GIS for DRR and EM Professionals**

**LEARN THE BASIC APPLICATIONS OF OPEN SOURCE TOOLS FOR URBAN RESILIENCE**

**QGIS**: analyze and edit spatial information, compose and export graphical maps

**POSTGRESQL**: manage and store data in a highly stable system with more than 20 years of community development

**GOOGLE EARTH**: access and explore one of the most comprehensive collection of remotely sensed data of the planet

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**Bootcamp Content**

1. **1.1 INTRODUCTION TO URBAN RESILIENCE**
   1.2 INTRODUCTION TO GIS
2. **1.1 QGIS FAMILIARIZATION**
   2.2 BASIC GIS CONCEPTS
3. **5 ROLE OF REMOTE SENSING IN URBAN RESILIENCE**
   3.1 GEO-PROCESSING TOOLS
   3.3 INTRODUCTION TO EXPOSURE DATABASE
4. **4 GIS FOR URBAN RESILIENCE**
   4.1 DRONE FLYING DEMO
   6.2 REMOTE SENSING APPLICATIONS IN URBAN RESILIENCE
5. **DAY 1**
   **DAY 2**
   **DAY 3**

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