

Network Infrastructures
Sensor networks
Open data
Smart Mobility
Cartography and GIS systems
Circular Economy
Urban planning



SUMMER SCHOOL

PROGRAM CODE
10 Days

DATES
16-25 July 2018

CREDIS
3 ECTS

TUITION
480 € includes course activities and materials, lunches and coffee breaks, in-campus accommodation at Eurasian National University; doesn't include travel cost.

LOCATION
Astana, Eurasian National University.

APPLICATION DEADLINE
15TH April 2018

INFO
summerschool @unimib.it

University of Milano-Bicocca
Eurasian National University

SMART CITY LOOKS LIKE

COURSE DESCRIPTION

Modern urban areas are smart environments equipped with interconnected sensors and devices that allow for the efficient and the effective use of the available resources. City officials can exploit smart city technologies to observe the behavior of the communities and monitor infrastructures, with the objective of increasing the quality and reducing the cost of the services provided to citizens.

Designed by University of Milano-Bicocca in partnership with Eurasian National University, ISINNOVA, and Eventi Kazakhstan, this summer school will provide a comprehensive view of the technologies, concerns and assets relevant to the design of smart cities. The lectures will cover the layers that typically constitute a smart city and will consider applications in a number of domains, including mobility, energy, sustainability and urban planning.

The program will start with the analysis and description of the increased use of technology, specifically, unlocking, analyzing and using data to solve problems and exploit opportunities. During the second part of the program the class will work on smart and sustainable city solutions through intelligent urban planning, while foreseeing concrete initiatives directly handled by local authorities.

The school will be held in Astana, which is a city with big plans of development situated in a country that has a clear social-oriented program, based on a new quality of life for the greatest possible number of citizens focused on the modernization of the society and the state on the basis of industrial-innovative development. Our lecturers will highlight strategies to a practical implementation of sustainable solutions. The program will be enriched with several guided visits to smart-sites in the city of Astana, and best practice presentations by leading international organization on urban planning and sustainability. By participating in the International Summer School "SMART CITY LOOKS LIKE..." students will explore interdisciplinary approaches while working in interdisciplinary and intercultural groups of students and lecturers in order to analyze what smart city looks like: cities aiming to become more energy efficient, clean and green, while addressing Citizen engagement, governance and critical needs.