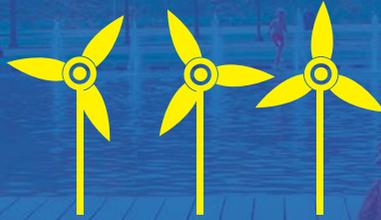


SMART AND RESILIENT CITIES
FOR AN INNOVATIVE SOCIETY



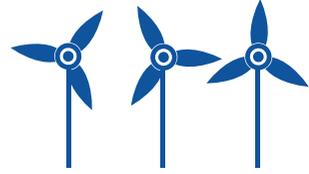
SUMMER SCHOOL

JUNE 2020

Summer School Smart and Resilient Cities 2020
@ HEI Yncréa Hauts-de-France campus, Lille.



>> PROGRAM



Smart Cities is a rapidly growing concept in both research and policy practice. It is viewed as a solution for cities to better cope with key societal challenges like energy transition, mobility and social innovation through extensive and effective use of big data and IT.

This, in turn, calls for new modes of city – people – governance, with the active involvement of a wide diversity of public, private and citizens' organizations.

During this one week course, Summer School Smart and Resilient Cities 2020 is offering you the chance to develop your creative thinking, to be a specialist in your field of study and perform under real-life working conditions.

International Professors from various research disciplines and professionals of the subject will work with you on different topics in smart and resilient cities domain. You will work across multidisciplinary fields and acquire useful experience for the future.



Smart and Resilient Cities is being studied through three themes:

- 1 Focus on Urban Context (history, development and challenges).
- 2 City and People (new modes of governance and behavioral change).
- 3 Analysis of Industrial Innovation (Big and open data, geo informatics etc).

Working with sketches, photographs, plans, aerial views etc... Participants will explore the urban context in :

- heritage,
- socio-economic,
- landscape,
- environmental issues, climat change
- technological advances,

Through:

- case study,
- real-site visits,
- seminar, and
- workshops on design thinking, circular economy and user centred approach.



SCHEDULE

15 - JUNE

Discovering Main challenges in Cities

- Welcoming and opening talks
- Discovering Lille urban history and context
- Climate change & sustainability
- Workshop on circular economy

16 - JUNE

People and Cities

- Site visit - meetings with project managers and designers
- Workshop on design thinking/ smart cities as they could be

17 - JUNE

New Technologies and The Third Industrial Revolution ('Rev3')

- Smart Campus visit - Université Catholique de Lille (Smart Home Applications based on Internet of Things, Building Information Models (BIM), Building Automation...)
- Design methods seminar with professors and professionals

18 - JUNE

Mobility: Uses and Impacts

- Visit to Antwerp or Bruxelles - meetings with TRACTEBEL company

19 - JUNE

Urban Economics and Space

- Innovative collaborative spaces
- Final pannel

20 - JUNE

Smart Cities as It Could Be: Inclusiveness and Sustainability

- Final conference and closing remarks



INFO

Credits : 3 ECTS

Date: 15 to 20 June 2020

Tuition: 1 000€

Visits, certificate, closing cocktail, etc... included (travel, housing and living expenses are not included in the tuition fee)

Language : English

Location: Lille, France



TARGET GROUP

Students, researchers, and professionals from both the technical branch and the social sciences field are welcome to apply. Based on the motivation and background of the applicant, the summer School is also open to people who are interested in sustainable urban development in general.

HOW TO APPLY

The Summer School is currently accepting applications for Summer School 2020 Programme.

Admissions information:

► hei.master.smartcities@yncrea.fr

Application timeline and deadlines:

Courses are open to admit students on a first-come, first-served basis and will be closed when they are full. Candidates are therefore encouraged to apply in advance.

Please note that application will be closed after 26-April-2020.

*Program subject to change without notice.

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ABOUT HEI

HEI (a graduate College of engineering) was created in 1885, recognized by the French government and accredited by the French Engineering Accreditation Commission CTI since 1935.

The school focuses on its unique strengths: its close relationship with the world of business and economics, a humanistic approach and an engineering educational method that is tied to new career fields. HEI Yncrea is setting new horizons and goals, leading studies in Smart and Resilient Cities, seeking solution for cities and looking towards the future.

