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UNIVERSITÀ DI PAVIA

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UNIVERSITAT JAUME I

Universitat d'Alacant

TONGJI UNIVERSITY

OPOLE UNIVERSITY OF TECHNOLOGY

SUMMER SCHOOL

Towards an ecological city: WATER & PUBLIC SPACE

Paris - 2019, fountain transformed into an open-air swimmingpool to combat the heat wave

FORMATIVE CREDITS - 3 ETCS

20 / 24 sept 2021

https://aude.unipv.it

//////////ONLINE EVENT

Towards an ecological city: Water & Public Space

The 2021 Summer School will focus on water and public spaces in urban areas.

WHICH PROBLEM? Climate change is confronting global cities to extreme conditions that are not able to control natural events anymore. The process of urbanization has marginalized nature and water, provoking side effects: heat island, increasing of pollution, soil-sealing. Thus urban citizens are demanding healthy cities.

HOW TO ACT? We believe in Public Spaces. A new approach in designing public spaces through water can respond to these extreme conditions that threaten cities. The aim is to reflect and investigate through international case studies and theoretical lectures the importance of water inside the contemporary city.

Lectures will be run online in order to make the programme accessible to a wider number of participants. Tutors, lecturers and special guests as well as academics from a broad range of disciplines such as engineering, hydraulics, sociology, philosophy, architecture and economy will participate. The most interdisciplinary we are more reflections we have!

PRESENTATION & OBJECTIVES

University of Pavia, Department of Civil Engineering and Architecture organizes an intensive **International Summer School** for PhD stundents, Master students and Bachelor Students of different disciplines from international universities who want to broad their knoledges on the relation between water and the city. It offers a unique opportunity for students to develop skills in this field.

The goal of the Summer School is to enable students from different countries and educational backgrounds an experience of multicultural and interdisciplinary studying, while actively networking with each other and lecturers.

Scientific Committee

Carlo Berizzi,
University of Pavia

Luca Trabattoni,
Opole University of Technology

Stefano Sibilla,
University of Pavia

Tiziano Cattaneo,
University of Pavia

Ioanni Delsante,
University of Pavia

Marco Bencivenga,
Politecnico di Milano

Laura Menéndez Monzonìs,
Universitast Jaume I

Maria Francisca Zaragoza Martí,
University of Alicante

Monika Adamska,
Opole University of technology

International partners

University of Pavia
Opole University of Technology
University of Alicante
Universitat Jaume I
Tongji University

SUMMER SCHOOL AIMS

Public space is today more than ever subject of debate and deep cultural and architectural reflection. In a historical moment in which it is necessary to redefine the role of the contemporary city, European and International policies are increasingly pushing towards the development of ecological and human-oriented cities. It is an urgent issue: cities today must know how to combine artifice and nature. Public space as a place for the community can represent the starting point for orienting sustainable development within the cities.

Water from the sky, water under the ground: water has always been a fundamental resource for life.
Even though cities are facing today serious problems related to water. Flooding represents only one part of it: water bombs hit everybody!
Soil sealing, bad management of water collection systems, bad design of water systems, etc. turn water into a threat (that's a common problem in global cities!).

But it's true also, that if on the one hand water can represent a threat, on the other it can constitute an interesting area of research and opportunity for the regeneration of the city through new public spaces activated by this resource, thus combining built environment and nature.

20
30 AGENDA

WATER

ECO——————LOGY

CLIMA
TE

CHANGE

GREEN DEAL

Highlights

- Climate change in the city: understanding the process and impacts on human health and on urban environment
- Exploring future scenarios for public spaces in response to climate change
- Understanding the benefits of mitigation and adaptation strategies
- Architectural strategies to design public spaces through water
- Understanding social impact
- Environmental strategies

ABOUT

45/60 min each>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>15/30 min each>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>60/90 min each

Lectures

A highly theoretical intensive Summer School which includes a series of thematical lectures to focus on contemporary issue: city and climate change. Lectures held by international researchers, experts and designers will provide different solutions, social opportunities, environmental health, cultural values to reflect on the city of the future.

You will attend at least 2 lectures every day during the morning. Lectures will be mixed within the 5-days Instensive Summer School in order to acquire knowledge from different disciplines each day.

Lecturers will be professionals and researchers that come from different disciplines:
Architectural design
Hydraulics
Urban planning
Economy
Chemical engineering
Natural Sciences

Debate

After lectures and coffee break (italian power source) there will be a moment of debate. It is the moment to reflect aloud sharing ideas and considerstions.

The power of interdisciplinary debate is that can generate new reflections broadening thouths beyond your discipline of interest.

Practice & Excercises

Stop debate and practice. After debate each student will work in interdisciplinary groups. To each group will be assigned a challenge. Feel free to take on as you think best: drawings, diagrams, case studies and other...

What is important is that in each group everyone brings his own study knowledge, sharing with groupmates to take on the challenge.

PRACTICAL INFORMATIONS

When will take place?

The International Summer School will take place from **20 to 24 September 2021** during which you will attend lectures and do excercises from **9.00 to 13.00 (italian time)**.

How will take place?

The International Summer School will be held online in **English** through the use of **Zoom platform.**

Course credits

Students who successfully attend the courses proposed by the Summer School will be awarded **3 ECTS** credits.

For the students from the University of Pavia:

- Are recognized 3 ETCS for thesis laboratory
- Participation to single lectures count for thesis laboratory

Application procedure

All PhD, Master and Bachelor students from different disciplines from all over the world are welcomed to participate to the International Summer School.

All participants from non-partner institutions will have to pay a registration fee of **100Euros**

Participants must submit the registration request **before Wednesday 1 September 2021** to the address **aml@unipv.it**.

After sending the registration request, a registration form and payment details will be sent.

Contacts

aml@unipv.it
https://aude.unipv.it

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INTERDISCIPLINARY LECTURES

Marco Bencivenga, Politecnico di Milano (Italy)-Harry Den Hartog, Tongji University (Shanghai)-Laura Menéndez Monzonìs*, Universitat Jaume I (Spain)-Daniel Prats Rico*, University of Alicante (Spain)-Renzo Rosso, Politecnico di Milano (Italy)

*to be confirmed

DESIGN EXPERIENCE

ecosistema urbano

Madrid

land

Milan

west8

Rotterdam

okra

Utrecht

PRO GRAMME

MONDAY 20th

h 9.00 Opening of the virtual room
h 9.15 Official opening & Welcome
Introduction: Carlo Berizzi, Gaia Terlicher
Students presentation
h 10.00 Lecture: Harry Den Hartog
break
h 11.15 Lecture: Okra
h 12.30 Debate

TUESDAY 21st

h 9.00 Lecture: Renzo Rosso
h 10.15 Lecture: West 8
break
h 11.30 Debate & Practice

WEDNESDAY 22nd

h 9.00 Lecture: Land
h 10.15 Lecture: Laura Menéndez Monzonìs
break
h 11.30 Debate & Practice

THURSDAY 23rd

h 9.00 Lecture: Ecosistema Urbano
h 10.15 Lecture: Daniel Prats Rico
break
h 11.30 Debate & Practice

FRIDAY 24th

h 9.00 Lecture: Marco Bencivenga
h 10.15 Lecture: Stefano Sibilla
break
h 11.30 Debate & Practice

**reference time is the italian one*

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