



NATIONAL PHD PROGRAMMES IN “SUSTAINABLE DEVELOPMENT AND CLIMATE CHANGE” AND “ARTIFICIAL INTELLIGENCE”

The national PhD programmes in “Sustainable Development and Climate change” and “Artificial Intelligence” (funded by the Italian Ministry of the University and Research) have been thought to offer an inter-university educational roadmap, on key topics for future societies. More than 50 Italian universities and research centers are involved, among which Politecnico di Milano, characterized by the willingness of building an innovative, digitally-transformed, and environment-oriented society.

Objective of the PhD in Sustainable Development and Climate change is to orient new generations on the comprehension of climate change and the design of sustainable societies, by offering a multi-disciplinary research and educational programme, where the different themes are integrated in a global vision. In particular, research topics that can be developed in collaboration with Politecnico di Milano deal with flood risk assessment (at Department of Civil and Environmental Engineering) and decarbonised energy systems (at Department of Energy).

The open “call for applications” (deadline: July 22nd, 2021) and more information can be found at <http://www.iusspavia.it/phd-sdc>

The National PhD Programme in Artificial Intelligence is implemented through the establishment of five doctorates joined together, which gather a wide range of Universities and research institutions. Each course is specialized in a strategical and specific area of development and implementation of AI technologies, and is referred to a lead Athenaeum:

- Health and life sciences, Università Campus Bio-Medico di Roma
- Agriculture (agrifood) and environment, Università degli Studi di Napoli Federico II
- Security and cybersecurity, Sapienza Università di Roma
- Industry 4.0, Politecnico di Torino
- Society, Università di Pisa

Politecnico di Milano is a partner of Politecnico di Torino in the area of expertise “Industry 4.0” with four scholarships offered on the following research topics: machine learning and computer vision models for advanced industrial monitoring, AI in the continuum computing era: from cloud to edge and back, reinforcement learning for Industry 4.0, Improving the efficiency of collaborative robotized assemblies through learning.

The open “call for applications” (deadline: July 23rd, 2021) and more information can be found at http://dottorato.polito.it/en/artificial_intelligence



CALLS AND EVENTS



POLITECNICO
MILANO 1863

NELLIE AWARD ITALIA 2021

Thanks to the donation of Tiffany & Co. Italia, The Circle Italia Onlus has decided to support women and their talent, recognizing the merit of female graduate students and PhD of the Politecnico di Milano with the award: “Nellie Award Italia 2021”

The award is aimed at female graduate students and PhD who have distinguished themselves not only for academic result but also in the social field, applying their knowledge to identify innovative solutions for the benefit of others.

Deadline: 12.00 p.m (CET) 10th July 2021



HUAWEI ITALY UNIVERSITY CHALLENGE 2021 (FOR PHDS)



Huawei launches a Call for Ideas that aims to promote the value and key role of the PhD for the future of technology and innovation.

The areas of this year's call, entirely dedicated to PhDs (students, graduates and young Post-Docs), are the following:

- Antennas
- Power Supply Technologies and Systems
- Analogic Design and Integrated Circuits
- Model Based Development
- Embedded AI Solutions / AI Architectures
- Cutting-edge solutions / innovative research direction

Deadline: 31 October 2021





SUMMER SCHOOLS

GOING CIRCULAR WITH CRITICAL RAW

Prof. Paolo Trucco

The goal of the School is to advance understanding of how circular economy approaches may assist a sustainable management of raw materials, from a company and supply chain perspectives. This topic will be examined in light of technological, economic, environmental and regulatory aspects. Participants will have the chance to meet prominent scholars in the material criticality and circular economy fields to gain insights on current research and industrial practice, as well as emerging opportunities. Participation in and completion of the school is equivalent to 5 ECTS.

Candidates interested in participating are requested to apply on the Summer School webpage before July 6, 2021.

[Leaflet \(pdf\)](#)

From 6th to 10th September 2021



FIBRE REINFORCED CONCRETE. MATERIAL CHARACTERIZATION AND STRUCTURE DESIGN

Prof. Marco Di Prisco

The Department of Civil and Environmental Engineering (DICA) of the Politecnico di Milano, Phd in Structural seismic and geotechnical engineering, is given this course in the form of Summer School, both online and in presence, one week full-time.

From 2nd to 7th July 2021



STARTING COURSES – PHD SCHOOL

STRATEGIC DECISION MAKING

Prof. Valentina Ferretti

This highly interactive course has two main goals: make you discover what are the behavioral traps in strategic decision-making processes (i.e. those systematic cognitive and motivational mistakes we all make when confronted with complex decisions) and provide you with the analytical solutions to improve the process.

From 12th to 23th July 2021



STARTING COURSES – DOCTORAL PROGRAMMES

PHD IN STRUCTURAL SEISMIC AND GEOTECHNICAL ENGINEERING

ADVANCES IN CEMENTITIOUS MATERIAL TECHNOLOGY AND NUMERICAL MODELLING FOR 3D PRINTING APPLICATIONS IN STRUCTURAL ENGINEERING

Prof. Giovanni Di Luzio, Gianluca Cusatis

The purpose of the course is to present a state-of-the-art overview of the 3D printing technology for cementitious materials, the established numerical models and the ongoing research activities in this field. Lecturer of this course will be Prof. Gianluca Cusatis, Northwestern University, Evanston, IL, USA.



From 12nd to 22nd July 2021

