



## CALLS AND EVENTS



**POLITECNICO**  
MILANO 1863

### PHD THESIS AWARDS “PROF. GIUSEPPE GRANDORI”

On the centenary of the birth of Professor Giuseppe Grandori (1921-2011), Founder of Seismic Engineering in Italy, the Politecnico di Milano with the collaboration of the Department of Civil and Environmental Engineering (DICA), is establishing two PhD thesis awards, thanks to the donation of professor Elisa Guagenti Grandori. The 2 awards, each of the value of €5,000.00 gross and net of costs borne by Politecnico di Milano, will be granted to the best PhD thesis from those addressing issues relating to “Seismic Engineering”

Deadline: 4<sup>th</sup> November 2021



### SWITCH2PRODUCT (S2P) INNOVATION CHALLENGE

Until June 30th, it is possible to enter the Switch2Product (S2P) Innovation Challenge, which is being organised by the Politecnico di Milano, PoliHub and Deloitte. Its aim is to bring out and make the best use of the most promising innovative, scientific and technological solutions and business projects from the Politecnico di Milano. By taking part in the S2P Challenge, you will get the chance both to acquire knowledge in order to develop your project and gain experience in the field. You will also have access to grants and technological development services, investors and the PoliHub network.

Candidates will have the chance to be selected by Politecnico di Milano and S2P partners in order to have access to grants and special programs for the development of projects and/or specific pathways for projects that are related to the partners' businesses.

The best projects will have access to the PoliHub's fast track program for entrepreneurial empowerment.

For further information, please visit [www.s2p.it](http://www.s2p.it)

Deadline: 30<sup>th</sup> June 2021





## SUMMER SCHOOLS

### DESIGN RESEARCH PROTOTYPING: MORE-THAN-HUMAN FUTURES. REFRAMING DESIGN KNOWLEDGE PROVOTYPING FOR HUMAN-NON-HUMAN ECOLOGIES

**Prof. Chiara Colombi, Stefano Maffei, Jonathan Chapman**

The course explores new modes of knowledge production through design anticipation and speculative futures. Open keynote speeches information soon at [phd.design.polimi.it](http://phd.design.polimi.it) > PhD Summer School

From 23<sup>rd</sup> to 29<sup>th</sup> June 2021



### MULTIBODY SYSTEM DYNAMICS

**Prof. Federico Cheli, Pierangelo Masarati**

This class is given in the form of an online summer school, one week full-time. More info here: <http://www.multibodysummerschool.eu>

From 13<sup>th</sup> to 17<sup>th</sup> September 2021



## STARTING COURSES – PHD SCHOOL

### EMPOWERING IMAGINATION

**Prof. Chiodo Simona, Prof. Bernadó Ester, Prof. Schiaffonati Viola**

The course aims at empowering imagination as one of the most promising tools we have at our disposal when we think of both how to act and interact and how to work on the objects we create in science, engineering, architecture and design.

From 8<sup>th</sup> to 11<sup>th</sup> June 2021



### SCIENCE, TECHNOLOGY, SOCIETY AND WIKIPEDIA

**Prof. Raos Guido, Prof. Castiglioni Chiara, Prof. Mabbett Andrew John**

The course aims to provide some hand-on training in technical writing and, at the same time, to contribute to the general diffusion of scientific and technical knowledge. These will be achieved by engaging Politecnico's PhD students in the production of new material(or revision of existing one) for Wikipedia.

From 14<sup>th</sup> to 18<sup>th</sup> June 2021



### SCIENTIFIC MODELS: CONCEPTUAL FOUNDATIONS AND PHILOSOPHICAL ISSUES

**Prof. Valente Giovanni, Prof. Chiffi Daniele**

The course aims at exploring the conceptual foundations of scientific models. Specifically, it deals with philosophical issues concerning the construction and use of models in various scientific disciplines as well as in engineering, architecture and design.

From 7<sup>th</sup> May to 9<sup>th</sup> June 2021





## STARTING COURSES – DOCTORAL PROGRAMMES

### PHD IN MECHANICAL ENGINEERING

#### ATMOSPHERIC BOUNDARY LAYER: FUNDAMENTAL PHYSICS AND MODELING

**Prof. Prof. Zasso (Politecnico di Milano), Prof. Catherine Gorlé (Stanford University), Prof. Giacomo Valerio Iungo (The University of Texas at Dallas)**

Atmospheric boundary layer characteristics. Governing equations. Stability classes and scaling laws. Field measurements and analysis of boundary layer turbulence. Wind tunnel modeling and measurements. Computational modeling approaches. CFD modeling: DNS, LES and RANS. Applications: urban climate, wind loading and wind energy. Dispersion: physics and modeling.

From 21<sup>st</sup> June to 2<sup>nd</sup> July 2021



### PHD IN INFORMATION TECHNOLOGY

#### LARGE SCALE OPTIMIZATION

**Prof. Patrinos Panagiotis**

The purpose of the course is to introduce, derive and analyze a wide range of classical and modern optimization algorithms for convex and nonconvex structured, nonsmooth optimization.

From 14<sup>th</sup> to 18<sup>th</sup> June 2021



#### DIGITAL CIRCUITS AND SYSTEMS FOR DSP AND FPGA-BASED PROCESSING

**Prof. Angelo Geraci**

Mission of the course is the interdisciplinary knowledge of fundamental topics of design of complex digital systems, in order to enable the development and deployment of electronic processors and boards employing DSP and FPGA devices

From 21<sup>st</sup> to 25<sup>th</sup> June 2021



#### ENERGY-AWARE AND APPROXIMATE COMPUTING

**Prof. Gianluca Palermo**

This course aims at providing a comprehensive overview of the modern challenges and existing solutions in the field of energy-aware and approximate computing.

From 28<sup>th</sup> June to 9<sup>th</sup> September 2021



#### HIGH RESOLUTION ELECTRONIC MEASUREMENTS IN NANO-BIO SCIENCE

**Prof. Marco Sampietro**

The course targets nanoscience scientists to provide a deep insight into the realm of electrical measurements on nanosamples and of the ultimate characteristics of instrumentation integrated-onchip in order to develop the best possible set-up for leading research experiments.

From 7<sup>th</sup> to 11<sup>th</sup> June 2021

