CALLS AND EVENTS

EMPOWERING PHDS @ POLIMI: PRESENTATION EVENT

Online presentation of Empowering PHDs @ Polimi, a cycle of empowerment seminars for PoliMi doctoral Candidates

Registration form for presentation event
Presentation event on Teams

15 June 2022 at 12:30pm - ONLINE

SEMINARS

DESIGN RESEARCH PROTOTYPING: DESIGN IN TIMES OF CRISIS. INQUIRING THE ROLE, AGENCY, AND RESPONSIBILITY OF DESIGN FOR DECOLONISING, (UN)KNOWING, AND WORLD-BUILDING, DESIGN RESEARCH, AND A DESIGN RESEARCH METHODOLOGY

Prof. Chiara Colombi, Prof. Manuela Celi, Prof. Jonathan Chapman

The School will be a theoretical and pragmatic occasion to challenge knowledge systems, based on deterministic blueprints and models, and to reimagine and re-make design as a mode of inquiry and as a practice to interrogate the present. More info information at phd.design.polimi.it > PhD Summer School

June, 15th -21st 2022

PHDTALKS SEMINARS (DICA)

Andrea Opreni, Chiara Recalcati

PhDtalks is a series of seminars and discussions between PhD students. The events are self-organized by doctoral students of the Civil and Environmental Engineering Department (DICA). Speakers are chosen on a voluntary basis between candidates enrolled in Structural, Seismic and Geotechnical Engineering (ISSG) and Civil, Environmental and Infrastructure Engineering (IAI) doctoral programs. The events take place every two weeks in the late afternoon and are followed by a small refreshment funded by the DICA Department. The initiative aims at providing an informal and relaxed ground for PhD students to discuss their ongoing research projects and share knowledge and expertise, enhancing networking with other candidates.
Two events are scheduled for June:

- The first seminar, entitled “Numerical Methods for Fluid-Structure Interaction Problems”, will be delivered by Cheng Fu on the 7th of June at 18.15 in room 3.1.6.
- The second talk is scheduled for the 21st of June. Here, Yingzhi Qian will talk about “A Numerical Algorithm with Ability to Solve Richards’ Equation with Non-matching Grids”. The event will take place in room 3.1.5 at 18.15.

7th June and 21st June 2022

POLITECNICO
MILANO 1863

MULTIBODY SYSTEM DYNAMICS
Prof. Federico Cheli, Prof. Pierangelo Masarati

This class is given in the form of a summer school, one week full-time, in B12, Campus Bovisa – La Masa. More info here: http://www.multibodysummerschool.eu/

September 12-16, 2022

STARTING COURSES – PHD SCHOOL

EPISTEMOLOGY OF SCIENTIFIC AND TECHNOLOGICAL RESEARCH (TECHNOLOGIES RESHAPING HUMANS)
Prof. Chiodo Simona, Prof. Butchard Dorothy Keziah, Prof. Campioli Andrea, Prof. Tamar Sharon, Prof. Vallor Shannon Nicole

Providing PoliMi PhD students with essential epistemological tools in order to promisingly deepen the critical understanding of causes, methods, processes and effects of scientific and technological research and practice.

From 6th to 20th June 2022

SCIENCE, TECHNOLOGY, SOCIETY AND WIKIPEDIA
Prof. Raos Guido, Prof. Caranti Niccolò, Prof. Chemello Marco, 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 27th June to 1st July 2022

SCIENTIFIC REASONING: PHILOSOPHY, LOGIC AND APPLICATIONS
Prof. Valente Giovanni, Bartha Paul Frank Andrew, Macagno Fabrizio, Pietarinen Ahti-Veikko Juhani

The course aims to explore the different forms of reasoning adopted in scientific practice. Specifically, it deals with philosophical issues concerning the logie of science and the way in which it can be reliably applied in various scientific disciplines as well as in engineering, architecture and design.

From 9th to 24th June 2022

SCIENTIFIC REASONING: PHILOSOPHY, LOGIC AND APPLICATIONS
Prof. Valente Giovanni, Bartha Paul Frank Andrew, Macagno Fabrizio, Pietarinen Ahti-Veikko Juhani

The course aims to explore the different forms of reasoning adopted in scientific practice. Specifically, it deals with philosophical issues concerning the logie of science and the way in which it can be reliably applied in various scientific disciplines as well as in engineering, architecture and design.

From 21st to 24th June 2022

TECHNOLOGY & SOCIETY
Prof. Volonte' Paolo Gaetano, Prof. Crabu Stefano

The mission of this course is to offer to Ph.D. students awareness of the societal and political impact of new emerging technologies. By adopting a "critical thinking" sensitivity, the course will develop practical skills able to face the challenges of everyday technological innovation activities. Moreover, the course will present actionable tools for the responsible management of the societal impact of technological research projects.

From 10th to 21st June 2022

STARTING COURSES – DOCTORAL PROGRAMMES

PHD IN *INFORMATION TECHNOLOGY*

SIGNAL INTEGRITY IN VERY-HIGH SPEED DIGITAL CIRCUITS
Prof. Angelo Geraci

The course aims to provide advanced operational skills in the realization of digital electronic systems and in particular high-speed digital circuits, whose design poses significant challenges due to the ever-increasing speeds of digital signals and devices at the base of key application frames (Industry 4.0, Health, Smart Mobility, Environment). By combining and extending the competences of fundamental digital electronics toward designs that involve high-speed digital signals, students are prepared for the challenges awaiting them in the realization of the most modern electronic systems. High-speed is interpreted to mean circuits where the bandwidth of the involved signals triggers effects detrimental for the information, such as reflections, cross talk, switching noise issues and related phenomena. The topics of the course are treated with a top-down approach in order to allow everyone to grasp the essential issues and eventually contextualize them in their activities.

From 20th to 24th June 2022

PHD IN *MECHANICAL ENGINEERING*

MECHANICAL MEASUREMENTS WITH MICRO-SENSORS AND EMBEDDED SYSTEMS FOR THE INDUSTRIAL ENGINEER
Prof. Paolo Chiariotti

The course aims at discussing MEMS sensors technology and embedded systems from an experimentalist and practitioner point of view.

From 7th June 2022

INTRODUCTION TO COMPUTER VISION AND SENSOR DATA PROCESSING USING DEEP LEARNING
Prof. Prof. Karimi Hamid Reza

As machine learning and computer vision are well-established subjects after the recent developments in deep learning, the course will focus on optical and infrared (IR) sensing and related applications.

From June 20th, 2022

METHODS FOR HEALTH MONITORING AND PROGNOSIS OF ENGINEERING SYSTEMS SUBJECT TO DEGRADATION
Prof. Claudio Sbarufatti

The course introduces different methods for the analysis of real-time data aiming the diagnosis and prognosis of systems subject to degradation in a realistic environment

From June 28th, 2022