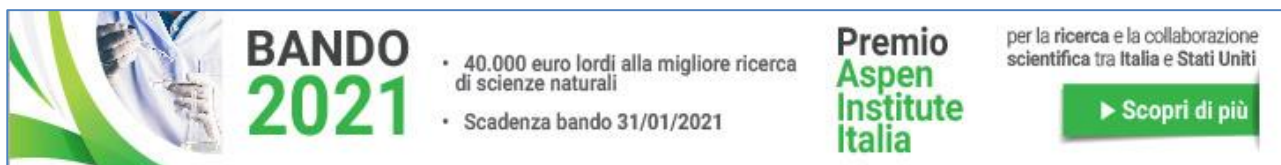




## CALLS AND EVENTS



**BANDO 2021**

- 40.000 euro lordi alla migliore ricerca di scienze naturali
- Scadenza bando 31/01/2021

**Premio Aspen Institute Italia**

per la ricerca e la collaborazione scientifica tra Italia e Stati Uniti

► Scopri di più

### ASPEN INSTITUTE ITALIA AWARD FOR USA – ITALY RESEARCH COLLABORATION

Since 2016, the Aspen Institute Italia Award supports research in the field of natural, theoretical or applied sciences which results from collaboration between scientists from the two countries.

The Prize annually assigns 40,000.00 EUR gross to a research project which must satisfy the following conditions:

- To have as its object natural, theoretical or applicative sciences;
- To have been conducted jointly by scientists and / or research organizations, public or private, exclusively or mainly from Italy and the United States of America;
- To have been published after January 1, 2015 by scientific journals that have subjected the research to a peer review process.

The deadline for submitting applications for the sixth edition of the Prize is January 31, 2021

For further information and to inspect the call please visit <https://www.aspeninstitute.it/bando-premio-aspen>, or contact Dr. Francesco Leopardi Dittaiuti, Senior Advisor - Aspen Junior Fellows, at the email address [Award2021@aspeninstitute.it](mailto:Award2021@aspeninstitute.it)

Deadline for applications: January 31, 2021



## IDEA League

### IDEA LEAGUE STUDENT GRANTS

Politecnico di Milano supports short-term research exchanges among IDEA League PhD candidates. The grants are made available to Politecnico di Milano PhD Candidates who want to do a short-term research stay at an IDEA League partner university.

Please check our [website](#) for inspecting the call and to apply.

Further information: <http://idealeague.org/student-grant>

The application for admission to the selection procedure must be sent only through the application: “Application form” > “Selection procedures”, available in the [online services](#) of Politecnico di Milano.

Please note that inside the application the section INCOME DATA doesn't have to be filled in.

Deadline for applications: December 18th, 2020 at noon (Italian time).





## CLOSING THE GAP: RISK PERCEPTION OF COVID-19 INFECTION IN PUBLIC TRANSIT

Since the outbreak of COVID-19 public transport, user dropped more than 80% in major European Union cities, while private car demand has significantly increased. If this short term behaviour is adopted in the long run, the economic and environmental sustainability of our transport system will be under threat. While the fall in revenue from public transport rides will harm the financial sustainability of the network, a public-to-private transport migration of users will dramatically increase congestion and pollution levels in our cities. Then, there is the urgent need to understand how COVID-19 is changing public transport use and what will take to bring back users' confidence on and demand for public transport.

In this DASTU-Polimi research, we conduct a picture-based experiment to examine how people's fear of COVID-19 infection varies across different public transport modes and infrastructure spaces. We want to guide COVID-19 transport measures to be not only based on an objective infection health criteria but also to take into account individuals' psychological considerations. In the experiment, people rate their fear of COVID-19 infection in different photo-simulated public transport spaces using in Milan as the testing case. Although we use an Italian case, we are collecting data globally, so people do not need to be in Italy to take the test.

We need help in recruiting 1080 participants to respond to our 5 minutes on-line picture-rating experiment. We got support from the Department of Urban Studies and Planning at the Massachusetts Institute of Technology to disseminate the experiment through their social media in the US. We now ask for help to the POLIMI community to reach a significant number of responses in Italy, so we can also draw policy lessons that apply here.

Please contribute by taking and sharing this experiment with your community. For English click here: <https://bit.ly/38OLx59>  
Per Italiano Cliccare qui: <https://bit.ly/3pB27LM>

If you have any question or suggestion, please write to [pablojavier.navarrete@polimi.it](mailto:pablojavier.navarrete@polimi.it)



## ERASMUS+ (OUTGOING MOBILITY FOR STUDY PURPOSES)

The call for the 2021/2022 International Mobility for study has been issued.

The Erasmus Programme offers support for mobility of students within European programme countries (KA103) as well as within a selection of Extra-UE partner countries (KA107). All Politecnico di Milano students apply in the "International mobility for study" section of their Online Services.

After selection for the programme, the host university has to accept the students for mobility, so for PhD candidates it is advisable to make contact with a research group in advance, to plan the visit.

For general information about the Erasmus Programme, for the Call and for the lists of destinations available to PhD students please visit the webpages:

- [Calls for international mobility](#)
- [Erasmus+ \(outgoing mobility for study purposes\)](#)

For further administrative information please contact [bando-mobilita@polimi.it](mailto:bando-mobilita@polimi.it) (please specify that you are a PhD student).

Deadline for application: 8 January 2021 (12:00 noon)





## SEMINARS AND WORKSHOPS



### CICLO WEBINAR DEL CONSORZIO POLIEDRA-POLITECNICO

Gli obiettivi dell'Agenda ONU 2030 (SDGs, Sustainable Development Goals) sono una bussola per guardare verso il futuro in questo momento difficile, indicando obiettivi precisi e linee di sviluppo in quasi tutti i campi di intervento. Poliedra, consorzio del Politecnico di Milano che si occupa di sostenibilità nell'ambiente, nei territori, nella mobilità, presenta un ciclo di webinar su esperienze, modelli e strumenti per lo sviluppo sostenibile. Il formato adottato è veloce, basato su interventi brevi, con un dibattito a più voci. Ecco i primi 5 incontri, a partire dal 9 dicembre.

Dal 9 Dicembre 2020



## STARTING COURSES – PHD SCHOOL

### ADVANCED INTERACTION SKILLS FOR ACADEMIC PROFESSIONALS

**Prof. Arnaboldi Michela, Prof. De Bruijn Johan Adam**

The course aims at providing PhD Candidate with instruments to improve their skill in presenting, interview and negotiating. The course adopt traditional lesson but it is mostly based on serious gaming and simulation

From 14<sup>th</sup> to 18<sup>th</sup> December 2020



### COMMUNICATION STRATEGIES THAT SCORE IN WORLDWIDE ACADEMIA

**Prof. Jacchetti Emanuela, Prof. Kilian Susanne Christine**

To gain surprisingly efficient strategies for globally successful communication: Discover the unwritten rules of global English in academia; Avoid misunderstandings in international co-operations right from the start; Win resources for mutual goals and success.

From 14<sup>th</sup> to 18<sup>th</sup> December 2020



## STARTING COURSES – DOCTORAL PROGRAMMES

### PHD IN INFORMATION TECHNOLOGY

#### DIGITAL DESIGN OF EMBEDDED SYSTEMS IN THE IOT AND RISC-V OPEN CORE ERA

**Prof. William Fornaciari**

The course covers topics in digital design of embedded systems ranging from the RTL design of standard interfaces up to the exploitation of FPGA specific resources to manage massive data streams. A critical overview of the hardware design flow for FPGA is offered with particular emphasis on the synthesis and implementation stages. The course uses SystemVerilog 2012 Hardware Description and Verification Language and the Vivado Design Suite. The main topics covered are the following ones:

- 1) Digital design of RISC CPUs and interfaces, e.g., UART, SPI, peripherals.
- 2) Power modeling monitoring and control for computing efficiency.
- 3) Reliability aspects for embedded systems.
- 4) Examples with the exploitation of RISC-V based cores.

From Dec 1, 2020 to Jan 31, 2021





## **PHD IN STRUCTURAL, SEISMIC AND GEOTECHNICAL ENGINEERING**

### **ELEMENTS OF STOCHASTIC DYNAMICS**

**Prof. Claudio Floris**

The course is intended to introduce the students to the analysis and control of mathematical models of the evolution of stochastic dynamics systems. This is a necessary requisite for the implementation of algorithms, such as the Monte Carlo method, for the simulation of nonlinear stochastic processes

January 12 – February 9, 2021



### **EXPERIMENTAL METHODS IN MATERIAL AND STRUCTURAL MECHANICS**

**Prof. Roberto Felicetti**

The objective of the course is to discuss issues related to the design of experimental tests on material and structures and to inform the students about the testing equipment available at the Laboratory for Material and Structural testing of the Politecnico di Milano

January 18 – February 19, 2021

