



## **CALLS AND EVENTS**



### **BORSE DI RICERCA DAAD PER SOGGIORNI IN GERMANIA**

Il Servizio Tedesco per lo Scambio Accademico (DAAD) ha pubblicato tre bandi per Borse per brevi soggiorni di ricerca in Germania con scadenza 1 aprile 2022.

- Il programma "Borse brevi di ricerca" si rivolge a laureat\* magistrali, dottorand\* e dottor\* di ricerca in tutte le discipline per soggiorni di ricerca (1-6 mesi) in Germania nell'ambito di un dottorato italiano, un progetto post-doc o un progetto libero di ricerca post laurea magistrale. Entità della borsa: 861 euro mensili per laureat\*, 1.200 euro mensili per dottorand\* e dottor\* di ricerca.

Le informazioni sulle modalità di candidatura e sull'entità delle borse sono da consultarsi alla pagina: <https://www.daad.it/it/cercare-una-borsa-di-studio/borse-di-studio-daad-italia/> nella sezione "Bandi aperti" -> "Bandi individuali"  
Il Centro Informazioni DAAD di Roma ([info.rom@daad-netzwerk.de](mailto:info.rom@daad-netzwerk.de)) è a disposizione per eventuali quesiti e consulenza.

Deadline for application: 1<sup>st</sup> April 2022



## **STARTING COURSES – PHD SCHOOL**

### **EUROPEAN CULTURE**

**Prof. Cardilli Lorenzo**

The course will address the issue of how European imagined and represented their relation with technology, with a view to highlighting main epistemological implications of such relationship. The course aims to stimulate ethical and epistemological reflections, and to help PhD students develop critical approaches to their own work. Another aim is to provide PoliMi PhD students (especially to students coming from countries other than European ones, but the course is open to all students) with some essential cornerstones of European Culture, showing how ancient and illustrious myths and characters are constantly being reworked and developed in a striking combination of novelty and continuity.

From 14 to 28 March 2022



### **LA COMUNICAZIONE NELLA SCIENZA**

**Prof. Paganoni Anna Maria**

Obiettivo principale del corso è promuovere e diffondere la cultura scientifica in senso lato, enfatizzando il legame con altre discipline. In particolare ci avvaliamo della grande esperienza maturata presso il "Laboratorio di Formazione Matematica e di Sperimentazione Scientifica" (Dipartimento di Matematica - Politecnico) e della rafforzata collaborazione tra il Piccolo Teatro di Milano e il Politecnico.

From 1<sup>st</sup> March to 30<sup>th</sup> June 2022





## SCIENTIFIC COMMUNICATION IN ENGLISH

**Prof. Biscari Paolo, Sluckin Timothy Jan**

The aim of the course is to develop and improve the candidates' scientific writing, as well as increase their ability to deliver scientific and technical presentations in English.

From 14<sup>th</sup> March to 1<sup>st</sup> April 2022



## STARTING COURSES – DOCTORAL PROGRAMMES

### PHD IN MECHANICAL ENGINEERING

#### ADDITIVE MANUFACTURING FOR SPACE AND AEROSPACE APPLICATIONS

**Prof. Tommaso Ghidini (ESA), Prof.ssa Bianca Maria Colosimo**

The course aims to deliver a deep knowledge on all Additive Manufacturing technologies and their application in the industry with a specific focus on spatial and aerospace industries.

March 3<sup>rd</sup>, 2022 – Department of Mechanical Engineering



### PHD IN INFORMATION TECHNOLOGY

#### INTRODUCTION TO QUANTUM MECHANICS AND TO QUANTUM INFORMATION

**Prof. Mario Martinelli**

The themes and languages of quantum mechanics are nowadays of great relevance also in ICT engineering for applications visible in the field of quantum communication and quantum computing. The course is an introduction to the language and concepts of quantum mechanics dedicated to students with ICT training as well as an introduction to the main applications of the quantum information.

From 1<sup>st</sup> March to 31<sup>st</sup> May 2022



### PHD IN ELECTRICAL ENGINEERING

#### STABILITY AND CONTROL OF NONLINEAR ENERGY SYSTEMS

**Prof. Alberto Berizzi, Prof. Claudio Canizares**

This course concentrates in the numerical techniques used for the study of various stability issues in nonlinear systems characterized by sets of differential equations and algebraic constraints

From 11<sup>th</sup> April 2022



#### MODELLING FROM MEASUREMENTS

**Prof. Alberto Berizzi, Prof. J.Nathan Kutz**

The course will describe the most recent advances on numerical techniques able to make use of a set of measurements from the field to extract a dynamic model of a physical process.

From 4<sup>th</sup> April 2022

