



## NEWS



**POLITECNICO**  
MILANO 1863

### PRODUCTS AND SERVICES AT SPECIAL CONDITIONS

#### **Travel with Flixbus**

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## SEMINARS AND WORKSHOPS



### **MICROSTRUCTURAL INFLUENCE ON HYDROGEN EMBRITTLEMENT BEHAVIOR OF HIGH STRENGTH STEELS**

Prof. Chong Soo Lee - Pohang University of Science and Technology

Prof. Chong Soo Lee's lecture will discuss about various efforts improving the HE resistance of tempered martensitic steels will be presented and discussed.

April 15th, 2024 – 11:00 am - Sala Consiglio (B23 – via La Masa 1)



### **CHALLENGES AND APPLICATIONS FOR MODERN DIAGNOSTICS OF THE AERIAL STRUCTURES**

Prof. Krzysztof Dragan - Air Force Institute of Technology

Prof. Dragan's lecture will introduce to real life application focused on structural integrity evaluation of the modern aerial structures

April 18th, 2024 – 3:00 pm - Sala Consiglio (B23 – via La Masa 1)





## STARTING COURSES – PHD SCHOOL

### ADVANCED INTERACTION SKILLS FOR ACADEMIC PROFESSIONALS

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

The Course mainly contributes to the following Programme Learning Goals: Ability of originating, designing, and managing research projects Ability of studying research problems in innovative and open-minded contexts also by leveraging strong academic connections and relationships with firms and public bodies. The course aims at developing skills that contribute to a more effective collaboration, both internally and externally. Internally, the skills will contribute to the quality of the research and the quality of the management of research projects. Externally, the skills will contribute to more visibility and impact of PhD students in networks of universities, industry and governmental agencies.

From 15<sup>th</sup> to 19<sup>th</sup> April 2024



### ENGLISH FOR ACADEMIC COMMUNICATION

**Prof. Biscari Paolo, Prof. Ghia Elisa**

The course aims at making PhD students aware of the mechanics of writing in English to clearly communicate their ideas in academic settings; moreover, the course will provide an overview of English phonetics to maximize the effect of the students' oral presentations

From 2<sup>nd</sup> to 17<sup>th</sup> April 2024



### ETHICS OF ARTIFICIAL INTELLIGENCE

**Prof. Rocchi Daniele, Prof. Latronico Loretta**

Artificial Intelligence (AI) is already happening today, and it is pervasive, often invisibly embedded in our day-to-day tools. As AI evolves, so do the many controversies that surround the use of this advanced technology. From military drones to shopping recommendations, AI is powering a wide array of smart products and services across nearly every industry-and with it, creating new ethical dilemmas for which there are no easy answers. As technology continues to develop at an unprecedented rate, those involved with AI often lack the tools and knowledge to expertly navigate ethical challenges. This course examines today's most pressing ethical issues related to AI and explores ways to leverage technology to benefit mankind. It provides insights into how to achieve responsible innovation of technology, to contribute to the quality of human life, sustainability and fair allocation of risks and benefits.

From 15<sup>th</sup> to 19<sup>th</sup> April 2024



### INNOVATIVE TEACHING SKILLS

**Prof. Brunetto Domenico Savio**

The course objective is to stimulate the participants' awareness of the complexity of the learning/teaching processes, while providing hints and tools for an innovative design and management of the learning experiences.

From 8<sup>th</sup> April to 1<sup>st</sup> July 2024





## STARTING COURSES – DOCTORAL PROGRAMMES

### PHD IN MECHANICAL ENGINEERING

#### FRACTURE MECHANICS AND ITS APPLICATION TO BIOLOGICAL MATERIALS

**Prof. Laura Maria Vergani, Prof. David Taylor (Trinity College Dublin)**

The course consists in deepening the topics of linear-elastic and elastic-plastic Fracture Mechanics, fatigue crack propagation within a cutting-edge range of fields.

From April 16<sup>th</sup>, 2024 - Department of Mechanical Engineering – B22



### PHD IN ELECTRICAL ENGINEERING

#### 061901 - EVOLUTIONARY MULTI-CRITERIA OPTIMIZATION AND DECISION-MAKING

**Prof. Kalyanmoy Deb – Prof. Marco Mussetta**

This week-long course will introduce multi-criterion search and optimization evolutionary algorithms and their application in practical problems through public-domain software.

From May 27<sup>th</sup>, 2024



### PHD IN STRUCTURAL SEISMIC AND GEOTECHNICAL ENGINEERING

#### MICROELECTROMECHANICAL SYSTEMS (MEMS) MODELING

**Prof. David Elata / dr. Valentina Zega**

The PhD course introduces basic and advanced concepts of MicroElectroMechanical Systems (MEMS) devices modelling.

From Aprile 15<sup>th</sup>, 2024

