



## **CALLS AND EVENTS**



### **BRUNO ZEVI FOUNDATION ANNUAL AWARD 2024 – ROME FOR A HISTORICAL-CRITICAL ESSAY ON ARCHITECTURE**

Established in 2007, for the fifth anniversary of the Foundation, the Bruno Zevi Prize for a historical-critical essay on architecture is an international competition to award a prize for a historical-critical essay offering an original analysis of an architectural work, theme or architect of the past or present.

The Bruno Zevi Prize is open to PhD researchers and is divided into five sections corresponding with the following themes:

- the key role of space in architecture;
- the ancient sources of modern language;
- history as a methodology of architectural practice;
- the modern language of architecture;
- landscape and the zero-degree language of architecture.

The Prize consists of the publication of the essay by the Bruno Zevi Foundation. The author of the winning essay will be invited to give a lecture in Rome in occasion of the conferment award.

Deadline: 10<sup>th</sup> September 2024



## **SEMINARS AND WORKSHOPS**



### **MULTISCALE PHENOMENA IN ADDITIVELY MANUFACTURED LATTICE AND THIN-WALL STRUCTURES**

Prof. Kavan Hazeli

This talk will focus on microstructure and topology that works efficiently for a specific loading condition in lattice structures

June 7th, 2024 – 02:30pm – Sala Consiglio (B23, via La Masa, 1)



### **NONINTRUSIVE MODEL REDUCTION OF NONLINEAR FINITE ELEMENT MODELS VIA SPECTRAL SUBMANIFOLDS**

Prof. Shohbit Jain

This lecture will a) survey the basic theory and computation of SSMs b) demonstrate the recent advances towards the nonintrusive computation of SSMs that enable the rigorous model reduction of realistic finite-element models.

June 27th, 2024 – 02:30pm – Sala Consiglio (B23, via La Masa, 1)





## NEWS



**POLITECNICO**  
MILANO 1863

### PRODUCTS AND SERVICES AT SPECIAL CONDITIONS

#### **Hard Rock Cafè Milan for Polimi**

Thanks to the new agreement you will have discounts on the menu, merchandise and a 2-for-1 offer on drinks during happy hour.



## STARTING COURSES – DOCTORAL PROGRAMMES

### **PHD IN MECHANICAL ENGINEERING**

#### **INTRODUCTION TO FAULT DIAGNOSIS AND PROGNOSIS FOR MECHANICAL ENGINEERING SYSTEMS**

**Prof. Hamid Reza Krimi, Lecturer; Prof. Sulikowski Bartłomiej Feliks (University of Zielona Gora)**

The objective of this course is to address fundamental concepts of fault detection and diagnosis and prognosis based on model-based or data-driven methodologies.

From June 10<sup>th</sup>, 2024 – Department of Mechanical Engineering – B23



#### **MECHANICAL MEASUREMENTS WITH MICRO-SENSORS AND EMBEDDED SYSTEMS FOR THE INDUSTRIAL ENGINEER**

**Prof. Paolo Chiariotti, Prof. Alberto Corigliano, Prof. Diego Melpignano**

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

From June 17<sup>th</sup>, 2024 – Department of Mechanical Engineering – B23



## STARTING COURSES – PHD SCHOOL

### **PHILOSOPHY OF SCIENCE AND TECHNOLOGY**

**Prof. Canali Stefano**

This course will deal with the relationship between data, science, and society. Using literature and results from the contemporary philosophy of science and technology, we will address relevant issues such as the role of (big) data in science, and the means to use them in epistemically effective, ethically responsible, and socially fair ways.

From 11<sup>th</sup> to 20<sup>th</sup> June 2024





## STRENGTHENING CRITICAL SPATIAL THINKING

**Prof. Armondi Simonetta, Prof. Pessina Gloria**

The course opens up a set of questions aiming at strengthening critical spatial thinking, as a paramount tool in a polytechnic school. Pivotal to our fields is a capacity to think and engage spatially. The course privileges critical spatial theory approaches space as a medium of power where relations, conflicts, and exchanges occur, particularly thinking about the taken-for-granted category of social-environmental extreme events.

From 25<sup>th</sup> to 27<sup>th</sup> June 2024



## TECHNOLOGY AND SOCIETY

**Prof. Hesselbein Christopher Lorenz**

Technology is one of the most pervasive features of modern society and the impact of technology on society has been a topic of longstanding concern. This course cultivates a critical approach to technology that highlights how technological objects, both old and new, are shaped by the social and cultural contexts in which they are designed, manufactured, and used. Students are introduced to a corpus of scholarship that looks at how social relations and society shape technology and get 'inside technology', which highlights how the very design of technology (including the artifacts themselves) embodies important social, cultural, ethical, and political assumptions that inform how we use, value, or reject technology. Readings will examine some of the recent work by sociologists, anthropologists, historians, philosophers as well as feminists and postcolonial scholars who have provided new insights into our understanding of the development and dissemination of technology. Throughout we will look at studies of various technologies, such as bridges, the bicycle, the microwave, birth control, financial markets, the internet, as well as machine learning, algorithms, and AI. Students will apply the conceptual and methodological tools provided by the discussed literature by writing an analysis of a case study of a contemporary or emerging technology. This will allow for a more in-depth exploration of the conceptual frameworks provided through the examination of particular issues and concerns related to a specific technology. Students will critically examine how their selected technology shapes and is shaped by the social context in which it is produced and consumed, and what the implications are of these processes. Throughout the course students are expected to play an interactive, collaborative, and participatory role by leading and engaging in class discussions and by completing writing exercises.

From 10<sup>th</sup> 21<sup>st</sup> June 2024

