



CALLS AND EVENTS



MULTIBODY SYSTEM DYNAMICS

The residential Multibody System Dynamics course offered by MECC and IAER Ph.D. programmes will be organized as part of the Lake Como School of Advanced Studies. 16 places are reserved for POLIMI students. Mandatory pre-registration available at the [School's website](#)

September 11-15, 2023



PHD CONSORTIUM, SHORT AND PICTORIAL PAPERS - IASDR 2023

The deadline to make your Phd Consortium, Short paper, Pictorial, workshop, and panel contributions is April 28th.

April 28th, 2023



SEMINARS AND WORKSHOPS



9TH WORKSHOP ON PLASMONICS AND NANO-OPTICS AT POLIMI

For 10 years the workshop PLASMONICA has been gathering the nano-optics community in Italy and fostering the maturation of early-stage researchers. For info and to submit an abstract visit the website

5-7 July 2023



PHOTOACOUSTIC IMAGING FROM LABORATORY TO CLINIC

Prof. Srirang Manohar (University of Twente) will discuss some of the applications using a device for photoacoustic imaging.

April 3rd, 2022



SUMMER SCHOOL

MEMS BEFORE AND AFTER 2025: FROM APPLICATION REQUIREMENTS AND THEORETICAL ASPECTS TO PRACTICAL DESIGN APPROACH

The goal of the Summer School is to provide the fundamentals of Micro-Electro-Mechanical Systems (MEMS) working principle, with advanced description of a few case studies. (<https://mems.lakecomoschool.org/>)

May 29, 2023





STARTING COURSES – PHD SCHOOL

PRACTICING RESEARCH COLLABORATION

Prof. Pizzocaro Silvia Luisa

Collaborative forms of interdisciplinary research, now a consolidated practice, are activities substantially lacking a strictly formalized theoretical foundation: they often take place in an ad hoc manner. This intensive course, based on a sequence of five classes, aims at: the exemplification of suggestive cases of collaborative research, the exploration of definition and nature of collaborative research, some reflections on the opportunities of research collaborations, the description of the advantages and the criticalities of integrative collaborations from different disciplines, the identification of the variables that can characterize the practice of collaborative research. To develop these contents, 5 half-a-day classes along a Monday-to-Friday intensive week are planned, focusing on exemplary case studies drawn from collaborative research experiences. The classes also aim to argue and support the idea of research collaboration both as a category of thinking and as a consolidated practice.

From 3 to 6 April 2023



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

From April 18th, 2023



STATISTICS IN THE BIG DATA ERA

Prof. Panagiotis Tsiamyrtzis

The aims consist in viewing how big data affect the existing statistical methods, recognize the issues and propose tools that are capable to overcome the problems caused by the growth in the data size & dimension.

From April 26th, 2023



PHD IN STRUCTURAL SEISMIC AND GEOTECHNICAL ENGINEERING

REDUCED-ORDER MODELING OF NONLINEAR STRUCTURES USING INVARIANT MANIFOLD THEORY

Prof. Cyril Touze

The aim of the course, taught by Prof Cyril Touze from IMSIA ENSTA Paris, is to introduce the most recent and efficient model order reduction techniques based on the invariant manifold theory for nonlinear vibrating structures. Analytical and numerical methods will be detailed in order to investigate the solutions of a system in terms of stability and bifurcations. Hands-on training sessions will guide the audience in a series of applications to engineering structures.

From May 8, 2023

