



Hysteretic Mechanical Systems: Phenomenological Models, Computational Techniques and Experimental Characterization

Program

Opening Seminar	19 April 2024
Mechanical hysteresis phenomena	10:30 am – 12:30 pm CET 13:30 pm – 15:30 pm CET
Lecture 1 - Phenomenological models	22 April 2024
Vaiana - Rosati model of hysteresis	10:30 am – 12:30 pm CET
Generalized Bouc - Wen model of hysteresis	13:30 pm – 15:30 pm CET
Lecture 2 - Computational Techniques	23 April 2024
Numerical time integration methods	10:30 am – 12:30 pm CET
Continuation methods based on the Poincaré map	13:30 pm – 15:30 pm CET
Lecture 3 - Experimental Characterization	24 April 2024
Static tests	10:30 am – 12:30 pm CET
Dynamic tests	13:30 pm – 15:30 pm CET
Closing Seminar (K.N. Kalfas)	29 April 2024
Pressurized sand dampers: experimental tests and phenomenological modeling	16:30 pm – 17:30 pm CET

Registration

Ph.D. students from Unina Federico II and other Italian or foreign universities, who are interested in attending the short course, on-line (MS Teams) or in-person, are invited to send an e-mail to:
nicolo.vaiana@unina.it.

There are NO registration fees.

