



SEMINAR ANNOUNCEMENT

Designing Mass-Spring Systems to Induce Multiple Localized Vibration Modes in a Simply-Supported Beam with a Cantilever Extension

Prof. Carlos E.N. Mazzilli

Escola Politécnica
University of São Paulo, Brazil

Thursday 29 May 2025 at **11.00**

Room: Aula Seminari DICEA, sezione Strutture, Q150 (DICEA-150/stru)

A review on earlier studies of localized modes of vibration is initially presented, stressing its relevance either for vibration control or energy harvesting. Next, it is addressed the design of a system of linear oscillators in series, to simultaneously tune different localized modes. Finally, the use of a single nonlinear oscillator is illustrated to simultaneously tune two different localized modes.

All interested people, particularly PhD students, are invited to attend the seminar