Università luav di Venezia

SCUOLA DI DOTTORATO DOTTORATO IN ARCHITETTURA, CITTÀ E DESIGN

AMBITO DI RICERCA INNOVAZIONE PER IL COSTRUIRE E PER IL PATRIMONIO CULTURALE

## TEACHING STRUCTURAL MECHANICS WITH MODELS

## seminar

Τ

U

Α

V

Davide Bigoni Università degli Studi di Trento

Several models are presented to help teaching solid and structural mechanics, at all levels, to engineering and physics students. The simpler models have been developed to explain the concepts of elastic beam, segmental arch, truss structure, elastic frame, and Euler buckling. More sophisticated models have been designed to introduce advanced concepts such as flutter instability under nonconservative loads, configurational forces generated through bending, and snake locomotion. 28.2.2022 live Badoer aula Tafuri online Teams code 1ydyrl2 10 am

