

Short course on:

Modeling of Strain Localization

taught by

Prof. Milan Jirásek*

This course provided an overview of modeling approaches used in the mechanics of inelastic materials and structures, with special attention to the objective description of highly localized deformation modes such as cracks or shear bands. It is organized every year at CTU in Prague.

In 2018 it attracted participants from 10 European countries, India and Australia.

April **15**

10:00-13:00

Aula consiglio (ex DICAM)

Motivation –

strain localization and failure,
problems with objective description
Brief introduction to continuum damage mechanics

April **16**

10:00-13:00

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Integral-type nonlocal formulations

April **17**

10:00-13:00

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Gradient damage models

April **18**

10:00-13:00

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Energy-based regularized formulations –

variational gradient damage,
phase-field,
micromorphic



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CoRI program

<https://www.unipa.it/amministrazione/direzionegenerale/servizi-specialeinternazionalizzazione/u.o.cooperazioneinternazionale/cori/>

