



UNIVERSITÀ DEGLI STUDI
DI TRENTO

Dipartimento di Ingegneria Civile,
Ambientale e Meccanica



Instabilities and nonlocal
multiscale modelling of
materials

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AVVISO DI SEMINARIO

Si comunica che **martedì 12 giugno 2018 a partire dalle ore 15.30**
si terrà presso l'aula **2B** (via Mesiano 77) il seguente seminario

Image based deformation measurements of drilling in complex solids

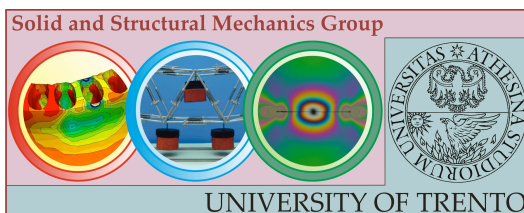
Prof. Tejas G Murthy

Indian Institute of Science, Bangalore, INDIA

In this talk, I will present the results of two experiments on understanding severe plastic deformation in complex solids such as porous brittle solids and metal foams. We study the mechanics of drilling in porous brittle solids. The mechanics of drilling was decoupled into equivalent problems of indentation and cutting. Some of the observations on the evolution of deformation parameters during indentation will be enumerated. Concomitantly, quantification of features such as compaction bands will be made here. Lastly, these indentation and cutting experiments were used to understand the deformation processes in drilling.

Tutti gli interessati sono invitati a partecipare.

Il seminario è organizzato dal gruppo di Scienza delle Costruzioni
(D. Bigoni, L. Deseri, N.Pugno, A. Piccolroaz, F. Dal Corso, M.F. Pantano, R. Springhetti, D. Misseroni)



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