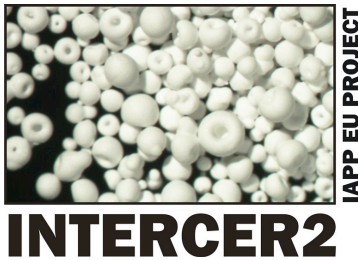




UNIVERSITÀ DEGLI STUDI  
DI TRENTO

Dipartimento di Ingegneria Civile,  
Ambientale e Meccanica



Modelling and optimal design  
of ceramic structures  
with defects and imperfect  
interfaces  
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## AVVISO DI SEMINARIO

Si comunica che **mercoledì 23 luglio alle ore 14.30** presso l'aula **H1** (via Mesiano 77) si terrà il seguente seminario:

### **Structured waveguides in flexural systems: transitional waves and approximate cloaking**

**Prof. Alexander Movchan**

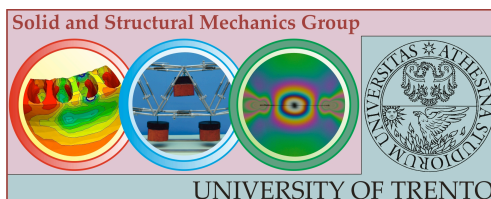
*University of Liverpool*

An analytical study is proposed for a challenging problem of re-routing flexural waves in elastic systems. The notion of cloaks is not straightforward for such a case, and theoretical subtleties are discussed in detail. A constructive way forward is proposed and illustrated on a range of applications.

Furthermore, for a class of flexural systems the so-called damage waves are investigated in the framework of transitional wave approach in structured media. An illustrative application is given to the analysis of the recent failure of San-Saba bridge in Central Texas.

Tutti gli interessati sono invitati a partecipare.

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



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