



UNIVERSITÀ DI PISA

**SCUOLA DI DOTTORATO IN INGEGNERIA “Leonardo da Vinci”**

Stefano BENNATI (Direttore)

Sede amministrativa presso il Dipartimento di Ingegneria Civile e Industriale (DICI)

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## A V V I S O D I S E M I N A R I O

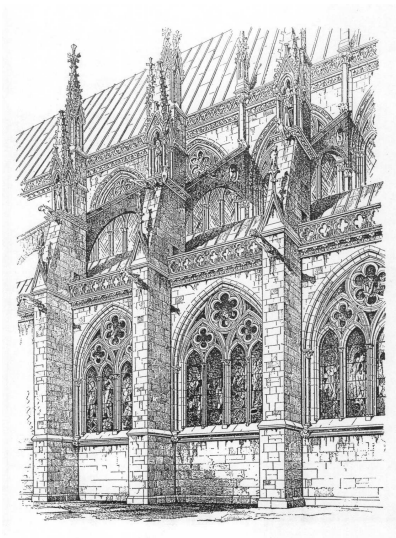
Nell’ambito del ciclo di seminari “*Between Mechanics and Architecture*”, promosso dalla *Scuola di Dottorato in Ingegneria “Leonardo da Vinci”* d’intesa con il *Dottorato internazionale in Ingegneria Civile e Ambientale*,

### Santiago HUERTA

**Professor of Structural Design (Universidad Politecnica de Madrid)**

mercoledì 15 aprile alle ore 16 terrà un seminario dal titolo

### *Case studies of historic masonry structures*



*Summary.* Theory is nothing without practice (*ars sine scientia nihil est*). The final goal of any theory on historic structures is to explain (even to predict) their fundamental behavior, and to answer technical questions. Is this cracking relevant? What is the safety of this or that vault? What load could sustain this medieval bridge? Is the leaning of that tower dangerous? The analyst, when writing a technical report, makes judgments that could have moral or legal consequences. If he asserts that this church is safe and later collapses, he will be, at least, in an uncomfortable situation. If he promotes a massive intervention that, in fact, is not needed, he is cheating. Only with a good theoretical background and the necessary practical experience is possible to face these kinds of problems. Some singular cases will be discussed to show the potential of the theory and, also, the dangers of ignorance.

Il seminario, della durata di circa 2 ore, sarà tenuto nell’Aula Pacinotti

Referenti dell’invito: Stefano Bennati, Riccardo Barsotti

Pisa, 7 aprile 2015.

Il Direttore della Scuola  
(Prof. Ing. Stefano Bennati)