UNIVERSITÀ DI PISA

SCUOLA DI DOTTORATO IN INGEGNERIA "Leonardo da Vinci"
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Sede amministrativa presso il Dipartimento di Ingegneria Civile e Industriale

A V V I S O DI S E M I N A R I O

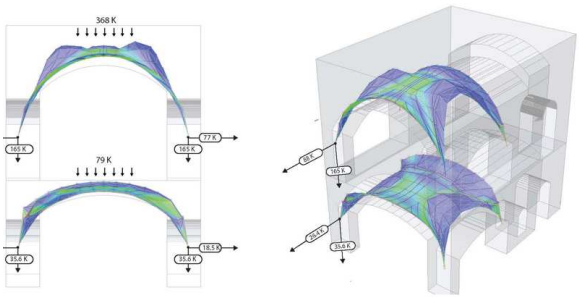
Nell'ambito delle iniziative promosse dalla
Scuola di Dottorato in Ingegneria "Leonardo da Vinci", d'intesa con il
Dottorato Internazionale in Ingegneria Civile e Ambientale

John OCHSENDORF

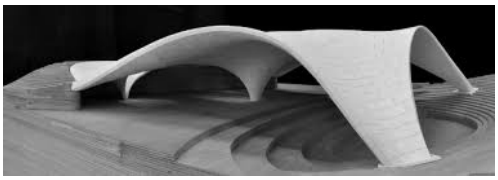
Professor of Engineering and Architecture
Massachusetts Institute of Technology

mercoledì 25 novembre alle ore 16.30 terrà un seminario dal titolo

"New Equilibrium Methods for Masonry Vaulting"



Summary. This seminar presents ongoing research at MIT on the analysis of masonry structures. The safety assessment of unreinforced masonry structures is a major problem worldwide, yet there are insufficient analysis tools for practicing engineers. The problem is complicated because in most cases the structure has unknown material properties as well as unknown stress conditions. In addition, historic buildings may be subjected to large support displacements, with differential settlement up to one meter or more. The Masonry Research Group at MIT has recently developed several new analysis tools within the framework of traditional limit analysis. By treating unreinforced masonry as an assembly of rigid blocks, new results are achieved and verified experimentally. The methods are applied to a series of case studies as well as the design of innovative new structures. This seminar provides an overview of this work and identifies research questions for the future.



Il seminario sarà tenuto nella Sala Riunioni
della Sede di Ingegneria Strutturale del DICI

Referente dell'invito: Riccardo Barsotti

Pisa, 16 novembre 2015.

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