



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

AVVISO DI SEMINARIO

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*

Peter TANNER

*Researcher at the Eduardo Torroja Institute – Madrid
Consulting Engineer, Cesma Ingenieros - Madrid*

lunedì 14 dicembre alle ore 16 terrà un seminario dal titolo:



*Approaching bridges:
about the importance of
conceptual design*

Many key aspects of a bridge project are governed by construction site-related, geometric, functional and constructional constraints. Furthermore, economy is a decisive factor in public works and, with respect to bridge aesthetics, there is an increasing demand in many communities for more than just utilitarian structures. Such exacting boundary conditions often spur careful and indeed even innovative structural design. Since the successful translation of numerous constraints into a reliable, functional, cost-effective and aesthetically attractive structure is primarily a question of consistent conceptual design, the importance of this step in the design process as a whole cannot be overstated. When the conceptual approach is well thought out, the design will undergo only minor changes in subsequent stages.

The ideas underlying the conceptual design for several bridges, in particular as regards the specific boundary conditions involved, are explained in the seminar, along with the actual layout including a few comments on detailing, as well as the realisation of the structures. The examples show that a modern, technologically advanced bridge design may be compatible with a solution whose elegance meets even the most exacting aesthetic standards with no need for inefficient members or adornments, at an affordable additional cost over the least expensive solution.

Il seminario, della durata di circa un’ora e mezzo, sarà tenuto nell’Aula Pacinotti

Referenti dell’invito: Maria Luisa Beconcini, Pietro Croce

Pisa, 1 dicembre 2015.

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