

3-hour Technical Seminar
Organized by
The Hong Kong Institute of Steel Construction
Sponsored by
Department of Civil and Structural Engineering, The Hong Kong Polytechnic University

Designing Composite Structures to EN1994-1-1 (Eurocode 4) 13rd December 2007

Abstract

Today designers are utilising the combined use of steel and concrete material in the form of composite construction as an attractive alternative to steel or RC structures. Designers of steel structures also acknowledge that the presence of concrete slabs could be designed compositely with steel beams in order to increase both flexural strength and stiffness at virtually no extra cost, except for the cost of the headed shear studs.

Currently, design of composite construction in the UK is covered by BS5950, Part 3, but will soon be replaced by the new European Standard, BS EN1994-1-1 (Eurocode 4). In this presentation, an overview of the Eurocode 4 structure and its contents are presented. The Eurocode treatment of selected technical items with regard to the design of composite beams with metal deck flooring and composite columns will be given.

About the Speaker:

Dr Dennis Lam is the Senior Lecturer for the School of Civil Engineering at the University of Leeds, UK. He holds BEng and MPhil degrees from the University of Sheffield and a PhD degree from the University of Nottingham. His research areas encompass steel, concrete and composite structures, numerical methods and structural mechanics. He is a Chartered Engineer, Fellow of the Institution of Structural Engineers and member of the Institution of Civil Engineers. He was formerly Chief Structural Engineer for the City of Wakefield prior to joining Leeds University. During his eleven years in engineering practice, he has had extensive experience in the design of public buildings.

Date: 13rd December 2007
Time: 9:00 am - 12:00 noon
Venue: Room Y303, The Hong Kong Polytechnic University, Hung Hom, Kowloon.
CPD: This seminar is recommended for 3 CPD hours
Certificate: An attendance certificate will be issued upon request.

Fees & Registration

The registration fee includes a copy of lecture note

Regular Registration: **HK\$ 100** each for HKISC/ HKIE / ASCE Members; **HK\$ 200** each for non HKISC/ HKIE / ASCE Members.

Group Registration: **HK\$ 100** each for group registration of at least 5 people

Places are limited to 80.

Please send the completed registration form with a cheque for registration fee to The Hong Kong Institute of Steel Construction, c/o Mr. Sam Chan, TU743, Department of Civil and Structural Engineering, The Hong Kong Polytechnic University, Hung Hom, Kowloon by 12:00 noon, 7th December 2007. (Fax No.: 2334 6389) or through email: ceslchan@polyu.edu.hk. For technical information, please contact Prof. S.L. Chan at 2766-6047



Reply Form
To be faxed to 2334-6389 by
12:00 noon, 7 December 2007.

Registration Form

Seminar Name: Designing Composite Structures to EN1994-1-1 (Eurocode 4)

Seminar Date: 13rd December 2007

Name (in Full): _____ **(Mr./Ms./Ir /Dr./Prof.)***
** Please delete as appropriate*

Company Name: _____

Contact Tel. No.: _____ **Fax:** _____ **Email:** _____

Correspondence Address: _____

HKISC/HKIE/ASCE Member: **Yes** **Membership Number, if any :** _____
(please circle) **No**

Do you want the Attendance Certificate: **Yes** **No**
(please circle)

Please send the completed registration form with a cheque for registration fee to **Mr. Sam Chan, c/o TU743, Department of Civil and Structural Engineering, The Hong Kong Polytechnic University, Hung Hom, Kowloon by 12:00 noon, 7th December 2007.** (Fax No.: 2334 6389)

The registration form may be downloaded from the web-site of The Hong Kong Institute of Steel Construction (<http://www.hkisc.org>). You can photo copy this registration form.

Email confirmation will be provided when the form is received. Please be reminded to provide us your email.