



Department of Civil & Environmental Engineering
The Hong Kong Polytechnic University



香港
鋼結構學會
Hong Kong Institute of
Steel Construction



The Hong Kong Institution of Engineers
Joint Structural Division

Technical Seminar

Second-order Direct Analysis Method to Code of Practice for the Structural Use of Steel 2011

Organized by

Young Members Group, The Hong Kong Institute of Steel Construction

Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University

Supported by

Joint Structural Division, The Hong Kong Institution of Engineers (To be confirmed)

Friday, 24 May 2013

Date:	Friday, 24 May 2013
Venue:	Room TU107, The Hong Kong Polytechnic University, Hung Hom, Kowloon
Time:	6:00 pm (registration) for 6:30 pm to 8:00 pm

Scope and Objectives

The Code of Practice for the Structural Uses of Steel 2011 has already been enforced in Hong Kong for design of steel structures. Second-order direct analysis method has long been recognized as a versatile and more reliable design tool than the first-order analysis method for a safer, more economical and efficient design. As such, this seminar is organized for presentation the concept and rationale as well as the approach adopted in the Code of Practice for the Structural Uses of Steel 2011.

Speakers Biography

Dr. Y.P. Liu is a research fellow in Department of Civil and Environmental Engineering, the Hong Kong Polytechnic University. He has been involved in development of many software including NIDA, NAF-SHELL and RCD 2004. He is the chief programmer of NIDA which is the approved software by Building Department for the first-order linear and second-order nonlinear (direct) analysis and design according to Code of Practice for the Structural Use of Steel 2011. He is a member of organizing committee for Code of Practice for the Structural Use of Steel 2011 (Chinese version). He has been also involved in the design of many steel structures and seismic evaluation of existing buildings in China, Hong Kong, Macau, Singapore, India and Myanmar. His publication includes one chapter in a book, 11 referred journal papers in structural engineering and 13 conference papers.

Dr. Alfred Fong is a structural engineer at Arup. He is experienced in research and design of steel and composite structures such as mega trusses, long span footbridges, transmission towers and buildings. He possesses ample experience in developing software that can apply direct analysis method in steel and composite structures. He has authored or co-authored seven refereed journal papers in addition to several conference papers on second-order direct analysis method. He is currently Chairman of Young Members Group of the Hong Kong Institute of Steel Construction.

Official Language English will be the official language.

CPD Certificates This seminar is recommended for **1.5** CPD hours. Attendance certificate will be issued.

Free attendance but places are limited and priority will be given to HKISC/HKIE members. Please send the completed standard registration form to **Miss Mikuni Wong, 12:00 noon, 17 May 2013** through by: ymg@hkisc.org. For more information, please contact Dr. Alfred Fong at 2268 3244

The Hong Kong Institute of Steel Construction Young Members Group (YMG)

Standard Registration Form

Event: _____

Date/Time: _____

To the organizer:

To: _____

Tel: _____

E-mail: _____

Participant's Personal Details:

Name (Mr/Ms/Ir/Prof/Dr)*: _____

Company Name: _____

Position: _____

Contact Address: _____

Tel/Mobile: _____

Fax: _____

Email: _____

Member of HKISC

Member of YMG

Member of HKIE

Institution/Membership No. : _____

Signature: _____ Date: _____

CPD Certificate *Please tick the appropriate box to indicate:*

Yes, I would like to receive a CPD certificate.

No, CPD certificate is not required.

*Please delete the appropriate

Remarks: Registration will be confirmed by email