DEPARTMENT OF
CIVIL AND STRUCTURAL ENGINEERING
土木及結構工程學系
THE HONG KONG
POLYTECHNIC UNIVERSITY
香港理工大學

The Institution of Structural Engineers

FINAL PROGRAMME

Sixth International Conference on
Advances in Steel Structures 2009

ICASS '09 / IJSSD / IStructE Asia-Pacific Forum

16-18 December 2009
Hong Kong, China

Joint Structural Division
The Hong Kong Institution of Engineers

香港
鋼結構學會
Hong Kong Institute of Steel Construction

IMPORTANT NOTES

Instructions to speakers

Official language is English. For keynote lectures, the presentation duration is 30 minutes and, for lectures in parallel sessions, the duration is 15 minutes. Discussion will be at the end of each session if time is left for the respective session.

Please check your presentation number on page 5 to 18 according to its topic and then locate the room, time and date on page 3 to 4 for your presentation. Please email ceslchan@polyu.edu.hk for any query.

Speakers are invited to pass the biography and power-point file to the organiser at the Conference organising counter outside the lecture rooms at least one hour before the lecturing session. For early morning presentations, speakers are invited to pass the powerpoint file to the organiser one day before their presentations. Your powerpoint file should be compatible with Microsoft PowerPoint 2007 or earlier versions and please advise the organiser if you have any movie inside your file.

Instructions to session chairmen

Please arrive at the lecture rooms 10 minutes before the lecture starts

Introduce the speaker while he is preparing the setting up of his presentation.

Please control the time for presentation by ringing bell for the speaker 3 minutes before the session ends.

Please ask for help by the session helper in setting up of presentation powerpoint etc. Each session will have one stand-by session helper.

Activate discussion if time is left for each session, otherwise invite the audiences to discuss with the speakers after lectures in the tea breaks etc.

Note to all

All speakers and chairmen are invited for the conference banquet at 6:30pm for 7:00pm to 9:00 pm on 17th December 2009 in the same venue as lunch of this Conference.

For all participants, please telephone **Sam** at 9206 5565 or **Prof. SL Chan** at 9025 6814 in case of assistance required.

ICASS09 Conference Schedule

15 December 2009 (Tuesday)	
Time	
17:30-1800	Registration
18:00-21:00	Welcome Reception

16 December 2009 (Wesnesday)				
Time	Salon A	Salon B	Salon C	Salon D
0830-0900	Registration			
0900-0930	Opening Ceremony			
0930-1100	Keynote 1 (K1 – K3)			
1100-1130	Tea Break			
1130-1300	A1	B1	C1	D1
	BC-A	FI	CF-A	IJSSD Session 1
1300-1400	Lunch			
1400-1500	A2	B2	C2	D2
	FM	FR-A	RE	FR-C
1500-1530	Tea Break			
1530-1700	Keynote 2 (K4 – K6)			

17 December 2009 (Thursday)				
Time	Salon A	Salon B	Salon C	Salon D
0830-0900	Registration			
0900-1000	Keynote 3 (K7 – K8)			
1000-1030	Tea Break			
1030-1300	A3	B3	C3	D3
	BC-B,DY	BR	CF-B,CO-A	IJSSD Session 2,4
1300-1400	Lunch			
1400-1530	A4	B4	C4	D4
	PL	FE	CO-B	Reserved for IJSSD internal meeting
1530-1600	Tea Break			
1600-1800	Keynote 4 (K9 – K12)			

18 December 2009 (Friday)				
Time	Salon A	Salon B	Salon C	Salon D
0830-0900	Registration			
0900-1000	Keynote 5 (K13 –K14)			
1000-1030	Tea Break			
1030-1300	A5	B5	C5	D5
	CC-A,BC-C	NA+SE	PR+SC	IJSSD Session 3
1300-1400	Lunch			
1400-1530	A6	B6	C6	D6
	CC-B	FR-B	CO-C	IJSSD Session 5
1530-1600	Tea Break			
1600-1700	Keynote 6 (K15 – K16)			

ICASS'09

Topics	Sessions	Paper numbers
Beams and Columns	BC-A	BC1,BC2,BC3,BC4,BC5,BC6
	BC-B	BC7,BC8,BC9,BC10,BC11,BC12,BC13
	BC-C	BC14,BC15,BC16,BC17,BC18
Bridges	BR	BR1,BR2,BR3,BR4,BR5,BR6,BR7,BR8,BR9
Cold-formed & Light-gauge Structures	CF-A	CF1,CF2,CF3,CF4,CF5,CF6
	CF-B	CF7,CF8,CF9,CF10,CF11,CF12
Composite Construction	CC-A	CC1,CC2,CC3,CC4,CC5
	CC-B	CC6,CC7,CC8,CC9,CC10
Connections	CO-A	CO1,CO2,CO3,CO4
	CO-B	CO5,CO6,CO7,CO8
	CO-C	CO9,CO10,CO11,CO12,CO13
Dynamics and Damage Detection	DY	DY1,DY2,DY3
Fatigue & Material	FM	FM1,FM2,FM3,FM4
Finite Element Method	FE	FE1,FE2,FE3,FE4
Fire Engineering	FI	FI1,FI2,FI3,FI4,FI5,FI6
Frames & Trusses	FR-A	FR1,FR2,FR3,FR4
	FR-B	FR5,FR6,FR7,FR8
	FR-C	FR9,FR10,FR11
Nonlinear Analysis & Progressive Collapse	NA	NA1,NA2,NA3
Plates & Shells	PL	PL1,PL2,PL3,PL4,PL5
Projects, Space Structures & Arches	PR	PR1,PR2,PR3,PR4,PR5
Retrofitting	RE	RE1,RE2,RE3,RE4
Scaffoldings	SC	SC1,SC2,SC3,SC4,SC5,SC6
Seismic Engineering	SE	SE1,SE2,SE3,SE4,SE5,SE6,SE7

IJSSD'09

Topics	Sessions	Paper numbers
Analysis of curved members and plates.	Session 1	IJSSD02, IJSSD19, IJSSD08, IJSSD01, IJSSD21, IJSSD22
Analysis of Bridges	Session 2	IJSSD09, IJSSD07, IJSSD26, IJSSD24, IJSSD30
Analysis of Shells and Nanotubes	Session 3	IJSSD25, IJSSD23, IJSSD04, IJSSD13, IJSSD29, IJSSD28
Analysis of Members	Session 4	IJSSD05, IJSSD16, IJSSD14, IJSSD03, IJSSD15
Analysis of Frames and Connections	Session 5	IJSSD18, IJSSD12, IJSSD11, IJSSD27, IJSSD17

ICASS'09 Keynote paper list

Author(s) & Affilations	Speaker	Paper title	Paper No
D.A. Nethercot, P. Stylianidis, B.A. Izzuddin and A.Y. Elghazouli	D.A. Nethercot	Enhancing the robustness of steel and composite buildings	K1
Z. Y. Shen and F.F. Sun	Z.Y. Shen	Seismic design of high-rise steel buildings in Shanghai	K2
R. Bjorhovde	R. Bjorhovde	Research and development towards sustainable steel construction in the United States	K3
Y. B. Yang	Y.B. Yang	Rigid mechanics and applications to Nonlinear structural analysis	K4
M.A. Bradford and A. Heidarpour	M.A. Bradford	Joints in steel frames subjected to a compartment fire: A T-Stub design model	K5
	M.H. Kolstein for F.S.K. Bijlaard	To be confirmed	K6
C.M. Wang and T. Utsunomiya	C.M. Wang	Hydroelastic analysis of the large floating steel platform at Marina Bay in Singapore	K7
G. W. Owens	Graham Owens	Implementation of the Eurocodes progress towards a valuable outcome	K8
B.Uy	B. Uy	Behaviour and design of hollow and concrete filled steel columns subjected to impact loads	K9

Roberto T. Leon	Prof. Roberto T. Leon	Advances in American steel design: The proposed AISC 2010 specifications	K10
G. Q. Li and X. H. Li	G.Q. Li	Study on a Novel steel-concrete composite beam	K11
D. Lam and X. Dai	D. Lam	Modelling the confinement effect of composite concrete-filled elliptical steel columns	K12
J Y Richard Liew and K. K. Vu	J. Y.Richard Liew	Novel Deployable Structural Systems	K13
Derrick C. Y. Yap and G. J. Hancock	G. J. Hancock	Interaction of local and distortional modes in thin-walled sections	K14
P. B. Dinis, D. Camotim, E. M. Batista and E. Santos	D. Camotim	Local/Distortional/Global interaction in lipped channel columns: Behaviour and strength	K15
N. Baldassino and R. Zandonini	R. Zandonini	Design by testing of industrial racks	K16

ICASS'09

Beams and Columns

Bridges

Cold-formed & Light-gauge Structures

Composite Construction

Connections

Dynamics and Damage Detection

Fatigue & Material

Finite Element Method

Fire Engineering

Frames & Trusses

Nonlinear Analysis & Progressive Collapse

Plates and Shells

Projects, Space Structures & Arches

Retrofitting

Scaffoldings

Seismic Engineering

IJSSD Symposium on Progress in Structural Stability and Dynamics

Session 1: Analysis of curved members and plates

Session 2: Analysis of Bridges

Session 3: Analysis of Shells and Nanotubes

Session 4: Analysis of Members

Session 5: Analysis of Frames and Connections.

ACKNOWLEDGEMENTS

The Organizing Committee would like to express sincere thanks to the following sponsors for their generous support to the Conference.
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