



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



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 (Wednesday)

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) & Affiliations	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

- Evaluation of structural behavior of steel member affected by the presence of gusset-plate
S. Kishiki and A. Wada BC1
- Global and local elastic buckling of thin-walled beams with open elliptic cross sections
E. Magnucka-Blandzi and K. Magnucki BC2
- Lateral bracing force of ipe-240 beams at ultimate load
H.H. Snijder, J.C.D. Hoenderkamp, M.C.M. Bakker, H.M.G.M. Steenbergen and R.H.J. Bruins BC3
- Finite element investigation of perforated steel beams with different web opening configurations
K. D. Tsavdaridis and C. D'Mello BC4
- Buckling strength of thin walled members with profiled sections
K. Hoshide, M. Ohga, T. Hara and T. Shigematsu BC5
- Buckling analysis of thin-walled shell member with various stiffeners
S. Tanaka, K. Hoshide, T. Hara and M. Ohga and T. Shigematsu BC6
- Experiments on the local buckling of 420MPa steel equal angle columns under axial compression
G. Shi, Z. Liu, H.Y Ban, Y. Zhang, Y.J Shi and Y.Q Wang BC7
- Application of the general method for the evaluation of the stability resistance of non-uniform members
L. Simões da Silva, C. Rebelo and L. Marques BC8
- Structural behaviour of elliptical hollow sections under combined actions
T.M. Chan and L. Gardner BC9
- Strain hardening in indeterminate steel structures
L. Gardner and F. Wang BC10
- Design of aluminum alloy tubular sections subjected to web crippling
B. Young and F. Zhou BC11
- An numerical investigation into the effect of construction methods to the structural behaviour of simply supported composite beams
K.F. Chung, C.K. Chan and R.M. Lawson BC12
- Debonding behavior of CFRP strengthened steel beams under static and cyclic loads
S.P. Chiew and Y. Yu BC13

Unified slenderness limits for circular hollow sections <i>K.H. Law and L. Gardner</i>	BC14
Experimental study on behavior of shuttle-shaped lattice tubular columns <i>L.W. Tong, E. Xie, X.Y. Wang, L.J. Jia, and Y.Y. Chen</i>	BC15
Flexural moment capacity design rules for built-up littesteel beams <i>S. Jeyaragan and M. Mahendran</i>	BC16
Post-buckling strength of littesteel beams in shear <i>P. Keerthan and M. Mahendran</i>	BC17
Further development of statistical moment-based damage detection method <i>J. Zhang, Y.L. Xu,, Y. Xia and J. Li</i>	BC18
<u>Bridges</u>	
Safety and Reliability on Steel-Concrete Joint Part of Hybrid Cable-Stayed Bridge <i>J. He, Y.Q. Liu, A.R. Chen, B.Z. Pei and T. Yoda</i>	BR1
Mechanical experiment on joint of steel-concrete hybrid girder in cable-styed bridge <i>R. Liu, Y.Q. Liu, D.J. Wu and M.Y. Hu</i>	BR2
Bearing capacity analysis of a curvilinear box girder landscape bridge <i>Y.Q. Wang, N. Yao, T.S. Zhang and Y.J. Shi</i>	BR3
Stability analysis of the steel structure of Tianjin Bengbu Bridge <i>H.T. Chen, Y.Q. Wang and Y.J. Shi</i>	BR4
On dynamic stress amplification caused by sudden failure of tension member in steel truss bridges <i>Y. Goto, N. Kawanishi and I. Honda</i>	BR5
Numerical analysis of sea-salt particulate matter adhesion on bridge surfaces <i>M. Obata, T. Hasegawa, K. Nagata and Y. Goto</i>	BR6
SHM-Based fatigue reliability evaluation of steel bridges: methodology , experiment, and application <i>X.W. Ye, Y.Q. Ni and J.M. Ko</i>	BR7
Numerical study on the local buckling of 420MPA steel equal angle columns under axial compression <i>G. Shi, Z. Liu and K.F. Chung</i>	BR8
Fatigue classification of welded joints in orthotropic steel bridge decks <i>M.H. Kolstein</i>	BR9

Cold-formed & Light-gauge Structures

- Experimental investigations of cold-formed thin walled c-beams with drop flange
P. Paczos and K. Magnucki CF1
- Deformation and Strength of Light Gauge Steel Connection
T. Hara, T. Hashimoto, M. Yosihara and H. Hiramatsu CF2
- Light Weight Tension Strip Structures
Y. Li, J.Y.R. Liew and K.K. Vu CF3
- Shear buckling of thin-walled channel sections with intermediate web stiffener
C.H. Pham and G.J. Hancock CF4
- Impact tests and parametric studies on drive-in steel storage racks
B.P. Gilbert and K.J.R. Rasmussen CF5
- Determination of accidental forklift truck impact forces on drive-in steel rack structures
B.P. Gilbert and K.J.R. Rasmussen CF6
- An investigation of the compressive strength of cold-formed steel built-up I sections
H.H. Lau and T.C.H. Ting CF7
- Experimental study on post-buckling and post-failure behavior of cold-formed sigma continuous steel beams at internal supports
Q. Liu, J. Yang and L.Y. Li CF8
- Ultimate strength and design of lipped channel columns experiencing local-distortional mode interaction-Part I: Experimental investigation
B. Young, D. Camotim and N. Silvestre CF9
- Ultimate strength and design of lipped channel columns experiencing local/distortional mode interaction- Part II: DSM design approach
N. Silvestre, D. Camotim and B. Young CF10
- The ultimate strength and stiffness of modern roof systems with hat-shaped purlins
M. Wrzesien, J.B.P. Lim and R.M. Lawson CF11
- Some experiences on numerical modelling of cold-formed steel lapped Z-sections
H.C. Ho and K.F. Chung CF12

Composite Construction

- Bending-shear behavior of deep concrete filled double steel tubular beam
K. Uenaka and H. Kitoh CC1
- Early-age shrinkage and slab casting sequences in a long steel-concrete composite viaduct
F. Gara, G. Leoni, and L. Dezi CC2

A simple model used in optimum design of concrete-filled twin steel tubular column <i>W.F. Yuan, K.H. Tan and Y.F. Zhang</i>	CC3
Axial compression tests on FRP-Jacketed circular concrete-filled thin steel tubes <i>Y.M. Hu, T. Yu and J.G. Teng</i>	CC4
Experimental and analytical investigations of trusses composed of bare and composite RHS <i>M. Fong and S.L. Chan</i>	CC5
Influence of long-term loading on the performance of concrete-filled double skin steel tubular columns: Experiments <i>L.H. Han, Y.J. Li, F.Y. Liao and Z. Tao</i>	CC6
Experimental behaviour of slender circular concrete-filled stainless steel tubular columns under axial compression <i>Z. Tao, B. Uy and L.H. Han</i>	CC7
Closed form solutions for the long-term analysis of composite steel-concrete members subjected to non-uniform shrinkage distributions <i>G. Ranzi and Z. Vrcelj</i>	CC8
Stress Analysis of Steel Fiber Reinforced Concrete Encased Tubular Steel Penstocks under Internal Water Pressure <i>J.G. Dai and H.N. He</i>	CC9
Dynamic performance of beam of gangue concrete-filled circular steel tube <i>G.C. Li, Q.S. Ren and Y. Nie</i>	CC10

Connections

Ultimate moment of shear connections <i>Y.L. Gong</i>	CO1
An experimental study of strengthening of deep concrete coupling beams with bolted steel plate <i>B. Cheng and R.K.L. Su</i>	CO2
Bearing failure of bolted connections in stainless steel <i>E.L. Salih, L. Gardner and D.A. Nethercot</i>	CO3
Fatigue study of partially overlapped circular hollow section k-joints <i>S.P. Chiew, C.K. Lee, S.T. Lie and T.B.N. Nguyen</i>	CO4
Experiment and analytical study on connections between steel plate shear wall and CFTs <i>J.S. Fan, X. Nie, C.Y. Tian and W. Zhou</i>	CO5
Fatigue design of square hollow section tubular T-joints with concrete-filled chords under in-plate bending <i>F.R. Mashiri, X.L. Zhao and L.H. Han</i>	CO6

Influence of local defects on buckling behaviors of pressure steel pipe <i>Z.O. Lin, A. Kasai, K. Senda and M. Miwa</i>	CO7
Design of eccentrically connected cleat plates in compression <i>F.S Albermani, X. Khoo and M. Perera</i>	CO8
Reinforcement of box-section beam-to-column connection in steel bridge pier <i>E. Yamaguchi, N. Oshima and Y. Fujiwara</i>	CO9
Bolt prying in hollow section base plate connections <i>T. Wilkinson, G. Ranzi, P. Williams and M. Edwards</i>	CO10
Capacity of screwed connections between fabricated fittings and cold-formed hollow sections <i>T. Wilkinson, X. Ning, A. Yang and B. Yang</i>	CO11
Experimental research on the behavior of spatial intersecting connections of A diagrid structure subjected to axial loading <i>C. Huang, X.L. Han, J. Ji and J.M. Tang</i>	CO12
Influence of bolt preloading and flexural effects on the ultimate behaviour of bolted T-stubs <i>V. Piluso, G. Rizzano and R. Sabatino</i>	CO13

Dynamics and Damage Detection

A testing model study on dynamic process of truss structure introduced by local member failure <i>L. Wang, Y.Y. Chen, L. Li and X.Z. Zhao</i>	DY1
Integrated optimal placement of displacement transducers and strain gauges <i>X.H. Zhang, S. Zhu, Y.L. Xu and X.J. Hong</i>	DY2
Structural health monitoring system for steel antenna mast of Guangzhou Television and Sightseeing Tower <i>H.F. Zhou, Y.Q. Ni, W.Y. Liao, H.Y. Tam and S.Y. Liu</i>	DY3

Fatigue & Material

Critical distance method to predict the fatigue strength for welded steel structures <i>Z. Jiang, D.Q. Guan and L.C. Shi</i>	FM1
Failure criteria for composite slabs subject to extreme loading conditions <i>K.A. Cashell, A.Y. Elghazouli and B.A. Izzuddin</i>	FM2
Experimental Tests on structural members fabricated from High Strength Steel materials <i>L.R.B. Tang and T.H.T. Chan</i>	FM3
Experiments on the residual stress of 420MPA steel equal angles <i>H.Y. Ban, G. Shi, Y.J. Shi and Y.Q. Wang</i>	FM4

Finite Element Method

- Finite element studies on horizontally curved composite plate girders
M.A. Basher, N.E. Shanmugam and A.R. Khalim FE1
- Finite element analysis of the substructure in a slim floor frame subjected to accidental load
J.M. Zeng and P. Mäkeläinen FE2
- Analysis of the shear-lag effect in steel-concrete cable stayed bridges by means of deck finite elements
F. Gara, G. Ranzi and G. Leoni FE3
- A contribution to non-linear analysis of steel frame with flexible and eccentric connections
G. Castellazzi and E. Viola FE4

Fire Engineering

- Fire Resistance Design of Large Space Grid Structures by Performance-based Approach — A Case Study of the Fire Resistance Design of the Roof Structure of Kunming International Airport
C. Zhang, G.Q. Li, Y.Z. Yin and M.C. Luo FI1
- Geopolymer concrete filled steel tubes at elevated temperatures
S. O'Keefe, X.L. Zhao, J.G. Sanjayan and H. Lu FI2
- Behaviour of concrete-filled double skin steel tubular beam-columns after exposure to fire
X. Yu, Z. Tao, L.H. Han and B. Uy FI3
- Tests on fibre reinforced scc filled double skin tubular stub columns exposed to standard fire
H. Lu, X. L. Zhao and L.H. Han FI4
- Numerical investigation of cold-formed steel sheeting in fire
W. Lu, P. Mäkeläinen and J. Outinen FI5
- Effect of rotational stiffness at column base of portal frame at elevated temperature
M. Rahman, J.B.P. Lim, R. Hamilton, T. Comlekci, D. Pritchard and Y.X. Xu FI6

Frames & Trusses

- Parameter study on infilled steel frames with discretely connected precast concrete panels
P.A. Teeuwen, C.S. Kleinman, H.H. Snijder and H. Hofmeyer FR1
- Contribution to Sustainability in Steel Structures
J. Falke and H.N. Mustafa FR2
- Application of temperature crack with single column in multi-span and single-storey steel frames
D. Yong and Z. Bo FR3

Behavior of steel frame with various types of diagonal bracing under lateral loading <i>S. Jozaki, T. Hara, T. Hashimoto, M. Yoshihara and H. Hiramatsu</i>	FR4
Applications of built-up sections in lightweight steel trusses <i>C.C. Mei, A.L.Y. Ng, H.H. Lau and S.L. Toh</i>	FR5
Failure mode control of dissipative truss moment frames <i>A. Longo, R. Montuori and V. Piluso</i>	FR6
Second-order analysis and design of transmission tower without effective length <i>M. Fong, S. H. Cho, Y.P. Liu, S.L. Chan and J. Selvanathan</i>	FR7
Structural performance of steel buildings with semi-rigid connections <i>L. Di Sarno, J.W. Barry and A.S. Elnashai</i>	FR8
Buckling behaviour of locally and globally braced thin-walled steel frames <i>C. Basaglia, D. Camotim and N. Silvestre</i>	FR9
Plastic design of MRF-CBF systems <i>M.T. Giugliano, A. Longo, L. Mastrandrea, R. Montuori and V. Piluso</i>	FR10
Recent development of non-linear computational design by software “NIDA” <i>S.W. Liu, Y.P. Liu, B. Li, H.J. Mo, M. Fong and S.L. Chan</i>	FR11

Nonlinear Analysis & Progressive Collapse

Simulation of the impact effect in progressive collapse of multi-storey structures <i>W.F. Yuan and K.H. Tan</i>	NA1
Iterative method for estimating collapse loads of steel cable-stayed bridges <i>D.H. Choi, H.S. Na and H. Yoo</i>	NA2
Assessment of Progressive Collapse in Multi-Storey Buildings – Influence of Material Rate Sensitivity <i>M. Pereira and B.A. Izzuddin</i>	NA3

Plates and Shells

Deflection Solutions of a Spherical Membrane Shell for Microbubbles under a Point Load <i>X. Wang and F. Wang</i>	PL1
Buckling modes and optimal stiffener arrangement of rectangular stiffened plates under uniform lateral loads <i>A.K. Datta</i>	PL2
Transverse shear strength of a Bi-directional corrugated-strip-core steel sandwich plate <i>M. Leekitwattana, R.A. Shenoi and S.W. Boyd</i>	PL3

Experimental behaviour of plates with and without holes subjected to localised loads
E. Maiorana, C. Pellegrino and C. Modena PL4

Theoretical Research of Elastic Thin Rectangular Plate Pinned at Four Corners
H.T. Hou, X.J. Hu, G.Q. Li and C.X. Qiu PL5

Projects, Space Structures & Arches

The miracle of post-buckled behaviour in thin-walled steel construction and its partial
"Erosion" due to repeated loading
M. Škaloud and M. Zörnerová PR1

Structural analysis and design of the theme pavilion of world Expo.2010
J.M. Ding, H.L. Wu, Z.J. He and Y.O. Wan PR2

Design and analysis of a foldable protective shelter
C.Y. Ma, K.K. Vu and J.Y.R. Liew PR3

Effects of prebuckling linearization on buckling analysis of shallow arches
Y.L. Pi and M.A. Bradford PR4

Construction Mechanics Analysis & Erection Monitoring Of the Roof Steel Girder for
SZCEC
D.H. Pan and D.M. Wei PR5

Retrofitting

System Reliability Evaluation of Steel Frames
Y.S. Liu and G.Q. Li RE1

Research on damage of continuous steel girders identification by wavelet analysis of the
curvature mode
L.C. Shi, D.Q. Guan and Z.K. Jiang RE2

Damage identification research of plate-like structures by means of the wavelet analysis
D.Q. Guan and Z.Y. Chen RE3

Research on Spatial Crack Identification of Steel Beam Using Wavelet Analysis
D.Q. Guan and W. Pan RE4

Scaffoldings

System reliability of steel scaffold systems
H. Zhang, T. Chandrangu and K.J.R. Rasmussen SC1

Geometric imperfection measurements and joint stiffness of support scaffold systems
T. Chandrangu and K.J.R. Rasmussen SC2

Full-scale tests and advanced structural analysis of formwork subassemblies
T. Chandrangu and K.J.R. Rasmussen SC3

Wind loads on netted metal access scaffolds <i>H. Irtaza, R.G. Beale and M.H.R. Godley</i>	SC4
Structural analysis and modeling of system scaffolds used in construction <i>J.L. Peng, T. Yen, C.C. Kuo and S.L. Chan</i>	SC5
Stability design of mixed bamboo-steel scaffolding systems <i>F. So and S.L. Chan</i>	SC6
<u>Seismic Engineering</u>	
Seismic behavior of steel reinforced concrete column-steel truss beam composite joints <i>M.X. Tao, J.S. Fan and J.G. Nie</i>	SE1
Effect of Bi-directional cyclic loading on seismic capacity and buckling behavior of thin-walled circular steel bridge piers <i>N.G. Kulkarni and A. Kasai</i>	SE2
Use of crescent shaped braces for controlled seismic design of ductile structures <i>G. Gasparini, S. Silvestri, I. Ricci and T. Trombetti</i>	SE3
Seismic response control of transmission tower-line system with friction dampers <i>J.P. Wang, B. Chen and S.M. Sun</i>	SE4
Effects of horizontal restrainer on seismic performance of steel plate shear wall <i>K.C. Tsai, C.H. Li, C.H. Lin and C.Y. Tsai</i>	SE5
The applications of performance based seismic design for structures in mainland China <i>G. Ho and M. Kwok</i>	SE6
Theoretical and experimental analysis of dissipative T-stubs <i>M. Latour and G. Rizzano</i>	SE7

IJSSD Symposium on Progress in Structural Stability and Dynamics

Session 1: Analysis of curved members and plates

- A Cable Element for Nonlinear Analysis of Cable-Supported Structures. IJSSD02
Y. XIA, Q. X. WU and Y. L. XU
- Effects of pre-buckling linearization on buckling analysis of steel arches IJSSD19
Y. L. Pi and M.A.Bradford
- Free Vibration of Horizontally Curved Composite Plate Girders IJSSD08
M.Y. Wong, S.A. Osma and N.E. Shanmugam
- On the Use of GBT to Analyse the Local and Global Buckling Behaviour of Arches IJSSD01
J.P. Gomes, N. Silvestre and D.Camotim
- An investigation on post buckling behavior of functionally graded plate using a semi energy finite strip approach. IJSSD21
H.R. Ovesy, H. Assaei and M. Hajikazemi
- High Accuracy Postbuckling Analysis of Some Isotropic Plates using Two Different Versions of Finite Strip Method. IJSSD22
H.R. Ovesy, S.A.M.Ghanadpour and M. Nasirnia

Session 2: Analysis of Bridges

- Static and seismic analysis of new steel/concrete hybrid towers of multi-span cable-stayed bridges IJSSD09
S. Nakamura, Y. Okamoto and A. Manda
- Progressive Collapse Analysis of Truss Bridges IJSSD07
S. Nakamura, A. Manda and Y. Okamoto
- Random Vibration of Footbridge Induced By Crowd And Its Control IJSSD26
Q. Li, J. S. Fan, Y. Chen and J. G. Nie
- Large Deflection Distributed Plasticity Analysis of 3D Semi-Rigid Steel Frameworks IJSSD24
C.G. Chiorean and G.M. Barsan
- Effect of Loading on the Damage Assessment of Reinforced Concrete Beams IJSSD30
X. Q. Zhu, S. S. Law and H. Hao

Session 3: Analysis of Shells and Nanotubes

- On Stability of Hybrid Cylindrical Shells under External Pressure IJSSD25
H. Rasheed

Dynamic Stability of Laminated Cylindrical Shells Based on a Higher-Order Shear Deformation Theory using FSM <i>J. Fazilati and H. R. Ovesy</i>	IJSSD23
Analysis on Stability Ultimate Bearing Capacity of Plate-Cone Reticulated Shell <i>F. Wang, G.N. Chen and X. Wang</i>	IJSSD04
Numerical Study of Dynamic Buckling of Axisymmetrical Cylindrical Shell Subjected to Axial Impact <i>T. Zhao, W.Q. Shen and J. Yang</i>	IJSSD13
Buckling of single-walled carbon nanotubes with two atom vacancies <i>A Haoula, Y. Y. Zhang and Y. Xiang</i>	IJSSD29
Examination of beam and cylindrical shell models for buckling analysis of carbon nanotubes <i>Y.Y. Zhang, C.M. Wang, W.H. Duan and Y. Xiang</i>	IJSSD28
<u>Session 4: Analysis of Members</u>	
Second-Order Elastic Finite Element Analysis of Structures Using A Single Element Per Member <i>C.K. Iu and M.A. Bradford</i>	IJSSD05
Dynamic Analysis of Pile Foundations in Layered Soils <i>F. Dezi, S. Carbonari and G. Leoni</i>	IJSSD16
The behaviour of composite steel-concrete members accounting for partial interaction and geometric nonlinearities. <i>G. Ranzi, A.Dall' Asta, L. Ragni and A. Zona</i>	IJSSD14
Study on Behaviors of High Strength Cold-Formed Steel Wall Studs with Wallboards on Both Sides under Axial Compression. <i>Z.G. Huang, M.Z. Su and B.K. He</i>	IJSSD03
On the Effect of Local/Distortional Mode Interaction on the Post-Buckling Behavior and Ultimate Strength of Fixed Ended Lipped Channel Columns <i>P.B. Dinis, B. Young and D. Camotim</i>	IJSSD15
<u>Session 5: Analysis of Frames and Connections.</u>	
Numerical investigation on the cyclic behavior of exterior composite joints <i>Z.Y. Wang, Q.Y. Wang, Y.Y. Chen and R.J. Jiang</i>	IJSSD18
Extended Limit Analysis of Elastic Perfectly Plastic Structures Accounting for Geometric Nonlinearity <i>F. Tin-Loi and S. Tangaramvong</i>	IJSSD12

Elastoplastic Analysis of Frames Involving Physical and Geometric Instabilizing Effects <i>S. Tangaramvong and F. Tin-Loi</i>	IJSSD11
Dynamic Experiment and Numerical Simulation of a Full Scale Steel Frame with Viscous Dampers. <i>X. Chen</i>	IJSSD27
Hybrid probabilistic and interval analysis of engineering problems with a mixture of random and interval variables <i>W. Gao, C. Song and F. Tin-Loi</i>	IJSSD17

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