

蔡克銓 教授 Keh-Chyuan Tsai

Professor

學歷/ 美國柏克萊加州大學博士

Ph.D., UC Berkeley

專長/ 鋼結構、耐震設計、結構動力

Steel Structure, Structural Dynamics, Earthquake Resistance Design

期刊論文 (Journal Paper)

1. Lin, P.C., Tsai, K.C., Chang, C.A., Hsiao, Y.Y. and Wu, A.C. (2015) "Seismic design and testing of buckling-restrained braces with a thin profile", *Earthquake Engng Struct. Dyn.*, DOI: 10.1002/eqe.2660
2. 吳安傑、林保均、莊明介、蔡克銓，2015，「挫屈束制支撐構架設計概要與工程應用」，*結構工程*，第30卷，第1期，第11-33頁。
3. Lin, P.C., Tsai, K.C., Wu, A.C., Chuang, M.C., Li, C.H., and Wang, K.J. (2015) "Seismic Design and Experiment of Single and Coupled Corner Gusset Connections in a Full-scale Two-story Buckling-restrained Braced Frame", *Earthquake Engng Struct. Dyn.*, 44(13):2177–2198
4. Sritharan, S., Aaleti, S., Henry, R. S., Liu, K.Y. and Tsai, K.C. (2015) "Precast concrete wall with end columns (PreWEC) for earthquake resistant design", *Earthquake Engng Struct. Dyn.*, 44(12):2075–2092
5. Chuang, M.C., Tsai, K.C., Lin, P.C. and Wu, A.C. (2015) "Critical Limit States in Seismic Buckling-Restrained Brace and Connection Designs" *Earthquake Engng Struct. Dyn.*, 44(10):1559–1579
6. Mahrenholtz, C, Lin, P.C., Wu, A.C., Tsai, K.C., Hwang, S.J., Lin, R.Y. and M. Y. Bhayusukma (2015) "Retrofit of Reinforced Concrete Frame with Buckling-Restrained Brace", *Earthquake Engng Struct. Dyn.*, 44(1):59-78
7. Chen P.C., Chang C.M., Spencer F.B. and Tsai K.C. (2015) "Adaptive model-based tracking control for real-time hybrid simulation" *Bulletin of Earthquake Engng*; 13(6):1633–1653 DOI 10.1007/s10518-014-9681-2
8. Tsai, K.C., Li, C.H. and Lee, H.C. (2014), "Seismic Design and Testing of the Bottom Vertical Boundary Elements In Steel Plate Shear Walls. Part 1: Design Methodology" *Earthquake Engng Struct. Dyn.*, 43(15), 2237-2259
9. Li, C.H., Tsai, K.C. and Lee, H.C. (2014), "Seismic Design and Testing of the Bottom Vertical Boundary Elements In Steel Plate Shear Walls. Part 2: Experimental Studies" *Earthquake Engng Struct. Dyn.*, 43(14), 2155-2177
10. Tsai, K.C., Wu, A.C., Wei, C.Y. Lin, P.C., Chuang, M.C. and Yu, Y.J. (2014), "Welded end-slot connection and debonding layers for buckling-restrained braces", *Earthquake Engng Struct. Dyn.*, 43(12):1785–1807
11. Lin, J.L., Bui, M.T. and Tsai, K.C. (2014), "An Energy-Based Approach to the Generalized Optimal Locations of Viscous Dampers in Two-Way Asymmetrical Buildings", *Earthquake Spectra*, 30(2) :867-889.

12. Lin PC, Tsai KC, Wu AC, Chuang MC. (2014), Seismic Design and Test of Gusset Connections for Buckling-Restrained Braced Frames. *Earthquake Engineering and Structural Dynamics*, 43(4): 565-587.
13. 林保均、王孔君、游宜哲、魏志毓、吳安傑、蔡青宜、林志翰、陳家乾、蔡克銓 (2014)「槽接式與薄型挫屈束制支撐構架耐震設計與擬動態試驗」結構工程，第29卷，第1期，63-85頁。
14. Wu AC, Lin PC, and Tsai KC. (2014), “High-mode Buckling Responses of Buckling-Restrained Brace Core Plates”. *Earthquake Engineering and Structural Dynamics*, 43(3): 375-393.
15. Chen, P.C., Tsai, K.C. and Lin, P.Y., (2014), “Real-time Hybrid Testing of A Smart Base Isolation System”, *Earthquake Engng Struct. Dyn.*, 43(1), pp. 139-158
16. Tsai, C.Y., Tsai, K.C., Lin, P.C., Ao, W.H., Roeder, C.W., Mahin, S.A., Lin, C.H., Yu, Y.J., Wang, K.J., Wu, A.C., Chen, J.C., and Lin, T.H. (2013), “Seismic Design and Hybrid Tests of a Full-scale 3-story Concentrically Braced Frame Using In-plane Buckling Braces”, *Earthquake Spectra*, 29(3), pp. 1043-1067
17. Lin, J.L., Tsai, K.C. and Chuang, M.C. (2013), “Effective Oscillators for the Seismic Analysis of Inelastic one-way Asymmetric-plan Buildings”, *Engineering Structures*, 52, 38–52
18. Lin, J.L. and Tsai, K.C. (2013) “Application of Supplemental Damping Characteristics to Response Spectrum Analyses of Nonproportionally Damped Multistory Asymmetric-Plan Buildings”, *Earthquake Spectra*; 29(1), 207-232
19. Chen P.C. and Tsai K.C. (2013) “Dual Compensation Strategy for Real-time Hybrid Testing” *Earthquake Engng Struct. Dyn*; 42(1), pp 1-23
20. Yu, Y.J., Tsai, K.C., Li, C.H., Weng, Y.T., Tsai, C.Y. (2013) “Earthquake Response Analyses of a Full-scale Five-story Steel Frame Equipped with Two Types of Dampers”, *Earthquake Engng Struct. Dyn*; 42(9):1301-1320
21. Lin, P.C., Tsai, K.C., Wang, K.J., Yu, Y.J., Wei, C.Y., Wu, A.C., Tsai, C.Y., Chen, J.C., Schellenberg, A., Mahin, S.A. and Roeder, C.W. (2012), “Seismic Design and Hybrid Tests of A Full-scale 3-story Buckling-Restrained Braced Frame Using Welded End Connections and Thin Profile”, *Earthquake Engng Struct. Dyn.* 41(5):1001-1020
22. Lin, J.L., Tsai, K.C. and Chuang, M.C. (2012), “Understanding the trends in torsional effects in asymmetric-plan buildings”, *Bulletin of Earthquake Engineering*, 10(3): 955-965.
23. Lin, C.H., Lin, K.C., Tsai, K.C., Jhuang, S.J., Lin, M.L., Chen, J.C., Chen, P.C., Wang, K.J. and Lin, S.L. (2012), “Full-scale fatigue tests of a cable-to-orthotropic bridge deck connection”, *Journal of Constructional Steel Research*, 70(3): 264-272, DOI:10.1016/j.jcsr.2011.08.017
24. Lin, J.L., Tsai, K.C. and Yang, W.C. (2012), “Inelastic Responses of Two-Way Asymmetric-Plan Structures under Bi-Directional Ground Excitations- PART I: Modal Parameters”, *Earthquake Spectra* 28(1): 105-139.
25. Lin, J.L., Yang, W.C. and Tsai, K.C. (2012), “Inelastic Responses of Two-Way Asymmetric-Plan Structures under Bi-Directional Ground Excitations-PART II: Response Spectra”, *Earthquake Spectra*, 28(1): 141–157.
26. Li, C.H, Tsai, K.C., Chang, J.T., Lin, C.H., Chen, J.C., Lin, T.H. and Chen, P.C., (2012), “Cyclic Test of A Coupled Steel Plate Shear Wall Substructure”, *Earthquake Engng Struct. Dyn.* 41(9):1277-1299

27. 蔡克銓、朱駿魁、李昭賢、游宜哲、林志翰 (2012) 「多樓層未加勁鋼板剪力牆之耐震設計研究」中國土木水利工程學刊。24(4): 329-343
28. 李弘祺、李昭賢、蔡克銓 (2012) 「鋼板剪力牆底層邊界柱耐震設計(一)容量設計方法與試體設計」鋼板中國土木水利工程學刊，第二十四卷，第三期。
29. 李弘祺、李昭賢、蔡克銓，「鋼板剪力牆底層邊界柱耐震設計(二)試驗結果與分析」(2012)，中國土木水利工程學刊，第二十四卷，第三期。
30. 游宜哲、李昭賢、翁元滔、蔡青宜、蔡克銓 (2012)，「實尺寸五層含制震斜撐鋼構架受震實驗反應模擬」，結構工程會刊，中華民國結構工程學會，第二十七卷，第二期，71-94頁，民國101年6月。
31. 蔡克銓、吳安傑、林保均、魏志毓、莊明介(2012)，「槽接式挫屈束制支撐與脫層材料性能研究」，結構工程會刊，中華民國結構工程學會，第二十七卷，第三期，29-59頁，民國101年9月。
32. 林德宏、林克強、蔡克銓 (2012)，「國家地震工程研究中心多自由度多功能構件試驗系統設置與應用」，國家地震工程研究中心多自由度多功能構件試驗系統設置與應用，結構工程會刊，中華民國結構工程學會，第二十七卷，第三期，87-107頁，民國101年9月。
33. Lin, J.L. and Tsai, K.C. (2011), "Estimation of the seismic energy demands of two-way asymmetric-plan building systems", *Bulletin of Earthquake Engineering*, 9(2): 603-621.
34. Wang, R.Z., Tsai, K.C. and Lin B.Z. (2011), "Extremely-Large Displacement Dynamic Analysis of Elastic-Plastic Plane Frames Dual-Compensation Strategy for Real-time Hybrid Testing", *Earthquake Engng Struct. Dyn.*, 40(3):1515-1533.
35. Lin, J.L., Tsai, K.C. and Yu, Y.J. (2011), "Bi-Directional Coupled Tuned Mass Dampers for the Seismic Response Control of Two-Way Asymmetric-Plan Buildings", *Earthquake Engng Struct. Dyn.* 40(6): 675-690.
36. Wu, K.C., Li, B. and Tsai, K.C. (2011), "The Effects of Explosive Mass Ratio on Residual Compressive Capacity of Contact Blast Damaged Composite Columns", *Journal of Constructional Steel Research*, 67(4):602-612
37. Wu, K.C., Li, B. and Tsai, K.C., (2011) "Residual Axial Compression Capacity of Localized Blast-damaged RC Columns", *International Journal of Impact Engineering*, 38(1):29-40
38. 林克強、林志翰、莊勝智、陳家乾、蔡克銓、蘇健強 (2011)，「受偏心載重下之斜拉索鋼錨箱與鋼箱梁接合疲勞行為」，結構工程會刊，中華民國結構工程學會，第二十六卷，第二期，57-77頁，民國100年6月。

研討會論文 (Conference Papers)

1. Li, C.H., Wu, A.C. and Tsai, K.C. (2015), "Experimental Investigation on Seismic Retrofit of Existing Reinforced Concrete Buildings using Steel Plate Shear Walls," Proceedings, 2nd ATC-SEI Conference on Improving Seismic Performance of Existing Buildings and other Structures, San Francisco, USA, 10-12 December, 2015.
2. Lai, C.T., Chen, P.C. and Tsai, K.C. (2015), "Improved Tracking Performance of a Uni-axial Seismic Shaking Table by Introducing Control Theory", Proceedings,

- the 28th KKHTCNN Symposium on Civil Engineering, Bangkok, Thailand, 16-18 November, 2015.
3. Tsai, K.C., Wu, A.C., and Wang, K.J. (2015), "Hybrid tests of a full-scale two-story reinforced concrete frame with buckling restrained braces," Proceedings, EU-US-Asia Workshop on Hybrid Simulation, Ispra, Italy, 5-6 October, 2015.
 4. Tsai, K.C. and Li, C.H. (2015), "Seismic Behavior and Design of Bottom Boundary Columns in Steel Plate Shear Walls," Proceedings, 2015 World Congress on Advances in Structural Engineering and Mechanics (ASME15), Incheon, Korea, 25-29 August, 2015.
 5. Wu, A.C., Pan, K.Y., Tsai, K.C., Li, C.H., Lin, P.C., Wang, K.J., and Yang, C.H. (2015), "Seismic Performance of RC Structure Retrofitted with Steel Buckling-Restrained Braced Frame," Proceedings, The 8th international conference on Behaviour of Steel Structures in Seismic Areas (STESSA'15), Shanghai, China, 1-3 July, 2015.
 6. Chuang, M.C., Tsai, K.C., Lin, P.C., and Wu, A.C. (2015), "A Cloud Service for Automated Design of Seismic Buckling-Restrained Braces and Connections," Proceedings, The 8th international conference on Behaviour of Steel Structures in Seismic Areas (STESSA'15), Shanghai, China, 1-3 July, 2015.
 7. Clayton, P.M., Dowden, D.M., Li, C.H., Berman, J.W., Bruneau, M., Lowes, L.N., and Tsai K.C. (2015), "Self-Centering Steel Plate Shear Walls for Improving Seismic Resilience," Proceedings, The 8th international conference on Behaviour of Steel Structures in Seismic Areas (STESSA'15), Shanghai, China, 1-3 July, 2015.
 8. Mahrenholtz, C., Lin, P.C., Wu, A.C., Tsai, K.C. and Hwang, S.J. (2014), "Seismic retrofit of reinforced concrete frame with buckling-restrained braces," Proceedings, The 5th Asia Conference on Earthquake Engineering, Taipei, Taiwan, 16-18 October, 2014.
 9. Lin, P.C., Wu, A.C., Li, C.H., Wang, K.J. and Tsai, K.C. (2014), "Design and testing of buckling-restrained brace gusset connections," Proceedings, The 5th Asia Conference on Earthquake Engineering, Taipei, Taiwan, 16-18 October, 2014.
 10. Pan, K.Y., Tsai, K.C., Wu, A.C., Li, C.H., Lin, P.C., Wang, K.J. and Yang, C.H. (2014), "Experimental study on seismic retrofit of reinforced concrete frames using buckling-restrained braced frames," Proceedings, The 5th Asia Conference on Earthquake Engineering, Taipei, Taiwan, 16-18 October, 2014.
 11. Tsai, K.C., Li, C.H., Lee, H.C. and Lin, C.H. (2014) "Seismic design of bottom boundary column in steel plate shear wall", Proceedings, 7th European Conference on Steel and Composite Structures, Naples, Italy, 10-12 September, 2014.
 12. Wu, A.C., Tsai, K.C., Lin, P.C., and Chuang, M.C. (2014), "Recent research and applications of buckling-restrained braces in Taiwan", Proceedings, 7th European Conference on Steel and Composite Structures, Naples, Italy, 10-12 September, 2014.
 13. 潘冠宇、吳安傑、蔡克銓、李昭賢、林保均、王孔君、楊季軒，2014，「利用鋼挫屈束制支撐補強RC構架之耐震性能試驗」，第八屆海峽兩岸及香港鋼結構技術交流會，台北，台灣，28 Aug。
 14. Sen, A.D., Pan, L., Sloat, D., Roeder, C.W., Lehman, D.E., Berman, J.W., Tsai, K.C., Li, C.H., and Wu, A.C. (2014) "Numerical and experimental assessment of chevron braced frames with weak beams", Proceedings, 10th U.S. National Conference on Earthquake Engineering, Anchorage, Alaska, 21-25 July, 2014.

15. Lin, P.C., Wu, A.C., and Tsai, K.C. (2014) “Seismic performance of buckling-restrained braces using welded end and rectangular steel casing”, Proceedings, 10th U.S. National Conference on Earthquake Engineering, Anchorage, Alaska, 21-25 July, 2014.
16. Lin, P.C., Tsai, K.C., Hsiao, Y.Y., and Wu, A.C. (2014) “Seismic tests of thin-profile buckling-restrained braces”, Proceedings, 10th U.S. National Conference on Earthquake Engineering, Anchorage, Alaska, 21-25 July, 2014.
17. Chuang, M.C., Lin, P.C., Wu, A.C., and Tsai, K.C. (2014) “A cloud service for seismic design of buckling-restrained braces and connections”, Proceedings, 10th U.S. National Conference on Earthquake Engineering, Anchorage, Alaska, 21-25 July, 2014.
18. 蔡克銓，吳安傑，林保均，莊明介，陳鼎新(2014)「槽接式挫屈束制支撐耐震性能研究與工程應用。第三屆海峽兩岸建築減震技術交流會議，台北，台灣，15 May。
19. Lin, P.C., Tsai, K.C., Wu, A.C. and Chuang, M.C. (2013), “Seismic Responses of Buckling-Restrained Brace to Gusset Connections in Framed Structures”, Proceedings, 5th International Conference on Advances in Experimental Structural Engineering, Taipei, 8-9 Nov., 2013
20. Clayton, P.M., Dowden, D.M., Li, C.-H., Berman, J.W. Lowes, L.N., Bruneau, M., Tsai, K.-C. (2013), “Pseudo-dynamic Testing of Self-centering Steel Plate Shear Walls”, Proceedings, 5th International Conference on Advances in Experimental Structural Engineering, Taipei, 8-9 Nov., 2013
21. Wu, A.C., Lin, P.C. and Tsai, K.C. (2013), “High-mode Buckling of Buckling-restrained Brace Core Plates”, Proceedings, 5th International Conference on Advances in Experimental Structural Engineering, Taipei, 8-9 Nov., 2013
22. Li, C.H., Tsai, K.C., Hwang, H.Y. and Lin, C.H. (2013), “Cyclic Tests of Three Full-scale Two-story Steel Plate Shear Walls Using Using Box Columns with or without Infill Concrete”, Proceedings, 5th International Conference on Advances in Experimental Structural Engineering, Taipei, 8-9 Nov., 2013
23. Wang, K.J. and Tsai, K.C. (2013), “A Software Framework for Quasi-static Structural Testing”, Proceedings, 5th International Conference on Advances in Experimental Structural Engineering, Taipei, 8-9 Nov., 2013
24. Chuang, M.C., Tsai, K.C., Lin, P.C. and Wu, A.C. (2013), “利用雲端運算技術輔助工程師進行槽接式挫屈束制支撐設計之實務應用”, Proceedings, Conference on Computer Applications in Civil and Hydraulic Engineering 2013 (CCACHE 2013), Taipei, 5-6 Sept., 2013
25. Lin, J.L., Bui, M.T. and Tsai, K.C. (2013), “Generalized Optimal Locations of Viscous Dampers in Two-way Asymmetrical Buildings”, Proceedings, 10th International Conference on Urban Earthquake Engineering, March 1-2, 2013, Tokyo Institute of Technology, Tokyo, Japan
26. Lin, P.C., Tsai, K.C., Wu, A.C. and Chuang, M.C. (2013), “Seismic Design and Test of Buckling-restrained Brace Connections”, Proceedings, 10th International Conference on Urban Earthquake Engineering, March 1-2, 2013, Tokyo Institute of Technology, Tokyo, Japan
27. Tsai, K.C., Lin, P.C., Wu, A.C. and Chuang, M.C. (2013), “Buckling Restrained Braces: Research and Implementation in Taiwan”, Proceedings, Steel Innovations Conference, Feb. 21-22, Christchurch, New Zealand
28. Lin, J.L., Tsai, K.C. and Chuang, M.C. (2012), “Co-shape Oscillators for the Seismic Analysis of Inelastic Asymmetric-plan Buildings”, Proceedings, The 14th

- Japan-Korean-Taiwan Joint Seminar on Earthquake Engineering for Building Structures, SEEBUS.
29. Wu, A.C., Lin, P.C. and Tsai, K.C. (2012), “A Type of Buckling Restrained Brace for Convenient Inspection and Replacement”, Proceedings, 15th World Conference on Earthquake Engineering, Sept. Lisbon.
 30. Chen, P.C. and Tsai, K.C. (2012), “A Combined Phase and Force Compensation Method for Real-time Hybrid Testing”, Proceedings, 15th World Conference on Earthquake Engineering, Sept. Lisbon.
 31. Li, C.H., Li, H.C., Tsai, K.C. and Lin, C.H. (2012), “Experimental Investigations on Seismic Behavior and Design of Bottom Boundary Column in Steel Plate Shear Walls”, Proceedings, 15th World Conference on Earthquake Engineering, Sept. Lisbon.
 32. Tsai, K.C., Yu, Y.J., Li, C.H., Weng, Y.T., Tsai, C.Y., “Analytical predictions for shaking table tests of a full scale steel frame using seismic dampers”, Proceedings, 14th International Conference on Computing in Civil and Building Engineering, Moscow June, 2012.
 33. Lin, S.L., MacRae, G.A., Wu, A.C., Lin, P.C., Tsai, K.C. (2012), “Development and Implementation of Buckling Restrained Braces in Taiwan”, Proceedings, NZSEE Conference, Christchurch, New Zealand, April
 34. Yu, Y.J., Tsai, K.C., Chen, C.H., Li, C.H., and Tsai, C.Y. (2012), “Blind Analyses of A Full-Scale 5-Story Steel Building with the Fixed-Base Configuration”, Joint Conference Proceedings, 9th International Conference on Urban Earthquake Engineering/ 4th Asia Conference on Earthquake Engineering, March 6-8, 2012, Tokyo Institute of Technology, Tokyo, Japan
 35. Tsai, K.C., Tsai, C.Y., Lin, P.C. and Wu, A.C. (2012), “Experimental and Analytical Earthquake Simulations on Full-scale Buckling and Buckling-Restrained Braced Frames”, Proceedings, International Workshop on Advances in Seismic Experiments and Computations, March 12-13 Nagoya
 36. Tsai, K.C., Lin, P.C., Tsai, C.Y., Wang, K.J., Yu, Y.J., Wei, C.Y., Wu, A.C., and Chen, J.C. (2012) “Hybrid Tests of a Full Scale 3-story Buckling Restrained Braced Frame,” Proceedings, International Conference Behavior of Steel Structures in Seismic Area (STESSA 2012), Santiago, Chile, 9-11 January 2012.
 37. Chen, P.C. and Tsai, K.C. (2011), “Adaptive Compensation of Actuator Delay for Real-time Hybrid Testing”, Proceedings, 24th KKCNN Symposium on Civil Engineering, Hyogo, Japan, 13-15 December 2011
 38. Tsai, C. Y., Tsai, K. C., Ao, W. H., Yu, Y. J. and Wang, K. J. (2011), “Hybrid Tests of a 3-story Concentrically In-Plane Buckling Braced Frame” , Proceedings, 24th KKCNN Symposium on Civil Engineering, Hyogo, Japan, 13-15 December 2011
 39. Hsieh, T.H., Weng, Y.T., Ling, J.L. and Tsai, K.C. (2011), “A Multi-Mode Ground Motion Scaling Method for Bi-directional Earthquakes”, Proceedings, 24th KKCNN Symposium on Civil Engineering, Hyogo, Japan, 13-15 December 2011
 40. Tsai, K.C., Lin, P.C., Tsai, C.Y. and Wang, K.J. (2011) “Seismic Performance Evaluation Hybrid Tests of Full Scale Steel Frame Structures”, Proceedings, The 14th Asia Pacific Vibration Conference, Hong Kong 5-8 December 2011
 41. Lin, J.L. and Tsai, K.C. (2011) “Response Spectrum Analyses of Non-Proportionally Damped Asymmetrical Buildings under Earthquake Loads”, Proceedings, The 14th Asia Pacific Vibration Conference, Hong Kong 5-8 December 2011

42. Wu, A.C., Tsai, K.C., Wei, C.Y. and Lin P.C. (2011). "A Study on High Mode Buckling of Core Plates in Buckling Restrained Braces", Proceedings, the 6th International Symposium on Steel Structures, Seoul, Korea, November.
43. Lin P.C., Tsai, K.C., Wang, K.J., Yu, Y.J., Wei, C.Y. Wu, A.C., Tsai, C.Y. and Chen, J.C. (2011). "Seismic Performance of A Full Scale 3-story Buckling-Restrained Braced Frame Specimen", Proceedings, the 6th International Symposium on Steel Structures, Seoul, Korea, November.
44. Tsai, K.C., Lin, P.C., Tsai, C.Y., Wang, K.J., Lin, C.H. and Wu, A.C. (2011), "Hybrid earthquake response simulations of a full scale 3-story steel frame using buckling-restrained braces", Proceedings, International Symposium on Disaster Simulation & Structural Safety in the Next Generation (DS'11), Sept. 17-18, 2011 Kobe
45. 吳安傑, 魏志毓, 蔡克銓, 2011, "脫層材料與槽接式挫屈束制支撐性能研究", 鋼結構設計與施工技術學術會議, 貴陽, 中國, August 2011。
46. Tsai, K.C., Li, C.H., Chang, J.T. and Lin, C.H. (2011) "Seismic Resistant Design and Analysis of Vertical Boundary Elements in Steel Plate Shear Walls", Proceedings, The 5th Cross-strait Conference on Structural and Geotechnical Engineering, Hong Kong, July 13-15, 2011
47. Lin, J.L. and Tsai, K.C. (2011) Bi-Directional Coupled Tuned Mass Dampers for Two-Way Asymmetric-Plan Buildings under Bi-Directional Ground Excitations" Proceedings EURO DYN 2011. 4-6 July, Brussels, Belgium
48. Chen, P.C. and Tsai, K.C., (2011), "A Software Framework for Quasi-static Structural Testing", Proceedings, 2nd EFAST Workshop and 4th International Conference on Advances in Experimental Structural Engineering, Ispra, Italy 29-30 June, 2011
49. Wang, K.J. and Tsai, K.C., (2011), "A compensation strategy for a SDOF nonlinear real-time Hybrid Testing", Proceedings, 2nd EFAST Workshop and 4th International Conference on Advances in Experimental Structural Engineering, Ispra, Italy 29-30 June, 2011
50. Tsai, K.C., Lin, P.C., Tsai, C.Y. and Wu, A.C. (2011), "Pseudo-dynamic Performance Evaluation of Full Scale Seismic Steel Braced Frames using Buckling Restrained and In-Plane Buckling Braces", Proceedings, Bled4 Workshop: Performance-Based Seismic Engineering-Vision for an Earthquake Resilient Society, June 24-27, Bled, Slovenia.
51. Li, C.H., Chang, J.T., Lin, C.H. and Tsai, K.C., (2011), Recent Experimental Researches on Steel Plate Shear Walls in NCREE, Proceedings, ASCE Structures Congress, Las Vegas, 14-16 April, 2011
52. Tsai, K.C., Lin, P.C., Wang, K.J., Wei, C.Y., Wu, A.C. and Yu, Y.J., 2011, "Recent Advances on Research and Application of Buckling Restrained Braces in Taiwan", 3rd Asia Pacific Young Researchers and Graduates Symposium, Taipei, March 2011
53. Li, C.H., Tsai, K.C., Chang, J.T. and Lin, C.H. (2011) "Cyclic Test of a Coupled Steel Plate Shear Wall Substructure", Proceedings, 12th East Asia-Pacific Conference on Structural Engineering and Construction (EASEC-12), Hong Kong, January 26-28.
54. Yu, Y. J., Tsai, K. C., Li, C. H., Weng, Y. T. and Tsai, C. Y. (2011), "Analytical Simulations for Shaking Table Tests of a Full Scale BRBF" Proceedings, 12th East Asia-Pacific Conference on Structural Engineering and Construction (EASEC-12), Hong Kong, January 26-28.