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## 期刊文章(Journal Paper)

\* corresponding author

- (1) Chou, C. C.\*, Lee, C. S., Wu, K. Y., Chin, V. L. (2017). “Development of a FRP-Wrapped Spiral Corrugated Tube for Seismic Performance of Circular Concrete Columns” *Construction and Building Materials* (11/125, 5-Year IF= 3.703, IF=3.169, SCI, EI, in Re-Review) **CONBUILDMAT-D-17-03515** (中華民國尖端材料技協會 106 年度學生論文比賽產品創新競賽組特優獎)
- (2) Wang, J. F., Li, B. B. Chou, C. C., Chen, L, (2017). “Cyclic Experimental and Analytical Studies of Buckling-Restrained Braces with Various Gusset Connections”. *Engineering Structures* (26/125, 5-Year IF= 2.637, IF=2.258, SCI, EI, in Review) **ENGSTRUCT\_2017\_2823**
- (3) Chou, C. C.\*, Tsai, W. J., Chung, P. T. (2016). “Development and Validation Tests of a Dual-Core Self-Centering Sandwiched Buckling-Restrained Brace (SC-SBRB) for Seismic Resistance.” *Engineering Structures*, 121, 30-41. (20/126, 5-Year IF= 2.637, SCI, EI, Time Cited =5 (Google) , **2016 台北國際發明暨技術交易展金牌獎 (22 國參展、超過 1,300 項專利技術作品)**)
- (4) Chou, C. C.\*, Chung, P. T., Wu, T.H., Beato Ovalle, R.A. (2016). “Validation of a Steel Dual-Core Self-Centering Brace (DC-SCB) for Seismic Resistance: from Brace Member to One-Story One-bay Braced Frame Tests.” *Frontiers of Structural and Civil Engineering*, 10, 1-9, online August 10 2016 (**Invited Paper**).
- (5) Chou, C. C.\*, Chung, P. T., Cheng, Y. T. (2016). “Experimental Evaluation of Large-Scale Dual-Core Self-Centering Braces and Sandwiched Buckling-Restrained Braces.” *Engineering Structures*, 116, 12-25. (20/126, 5-Year IF= 2.637, IF=2.258, SCI, EI)
- (6) Chou, C. C.\*, Wu, T. H., Beato Ovalle, R.A., Chung, P. T., Chen, Y. H. (2016). “Seismic Design and Tests of a Full-Scale One-Story One-Bay Steel Frame with a Dual-Core Self-Centering Brace.” *Engineering Structures*, 111, 435-450 (26/125, 5-Year IF= 2.275, SCI, EI). **2017 韓國首爾國際發明展金牌獎及特別獎(30 國參展、632 件專利作品)**
- (7) Hou, H.T., Chou, C. C.\*, Zhou, J., Wu, M. L., Liu, H. N., Li, J. J., Ye, H. D. (2016). “Cyclic Tests of Steel Frames with Composite Lightweight-Infill Walls.” *Earthquakes and Structures, An International Journal*, 10(1), 163-178 (SCI, EI)
- (8) Chou, C. C.\*, Chen, Y. C. (2015). “Development of Steel Dual-Core Self-Centering Braces: Quasi-Static Cyclic Tests and Finite Element Analyses” *Earthquake Spectra*, 31(1), 247-272. (2/35, 5-Year Impact Factor=2.467, Impact Factor=2.981, ENGINEERING, GEOLOGICAL, SCI, EI, **2015 台北國際發明暨技術交易展鉑金獎** Time Cited =15 (Google))
- (9) Yeh, F. Y., Chang, K. C., Sung, Y. C.\*, Hung H. H., Chou, C. C. (2015). “A Novel Composite Bridge for Emergency Disaster Relief: Concept and Verification” *Composite Structures*, 127, 199-210. (Ranking=3/24, 5-Year Impact Factor=3.442, Impact Factor=3.12, MATERIALS SCIENCE, COMPOSITES, SCI, EI)
- (10) Chou, C. C.\*, Chung, P. T. (2014). “Development of Cross-Anchored Dual-Core Self-Centering Braces for Seismic Resistance.” *J. Constructional Steel Research*, 101, 19-32. (Ranking=12/58,

5-Year Impact Factor=1.717, Impact Factor=1.37, CONSTRUCTION & BUILDING TECHNOLOGY, SCI, EI, Time Cited =18 (Google) 2015 台北國際發明暨技術交易展鉅金獎)

- (11) Chou, C. C.\*, Chen, Y. C., Pham, D. H., Truong, V. M. (2014). “Steel Braced Frames with Dual-Core SCBs and Sandwiched BRBs: Mechanics, Modeling and Seismic Demands.” *Engineering Structures*, 72, 26-40. (Ranking=16/124, 5-Year Impact Factor= 2.295, Impact Factor=1.767, ENGINEERING, CIVIL, SCI, EI, **Times Cited=23**)
- (12) Chou, C. C.\*, Chung P. T., Chen, Y. C. (2014). “Seismic Performance and Application of Sandwiched Buckling-Restrained Braces and Dual-Core Self-Centering Braces.” *J. Engineering and Technological Sciences*, 46(4), 361-367 (**ITB Scientific Journal, Invited Paper**)
- (13) Chou, C. C.\*, Chen Y. C., Chung P. T., Pham D. H., Liu J. H. (2013). “Low-Damage Earthquake-Resisting Systems Using Sandwiched Buckling-Restrained Braces and Dual-Core Self-Centering Braces” *Applied Mechanics and Materials*, 353-356, 1946-1958, August (**Invited Paper**).
- (14) Chou, C. C.\*, Lo, S.W., Liou, G. S. (2013). ” Internal Flange Stiffened Moment Connections with Low-Damage Capability under Seismic Loading” *J. Constructional Steel Research*, 87, 38-47, August (Ranking=30/122, 5-Year Impact Factor=1.565, Impact Factor=1.327, ENGINEERING, CIVIL, SCI, EI)
- (15) Chou, C. C.\*, Chen, Y. (2013) ”Push-off Strength of Steel Girder to Fiber-Reinforced Polymer Deck Connections” *J. Constructional Steel Research*, 81, 138-148, February (Ranking=33/125, 5-Year Impact Factor=1.565, Impact Factor=1.327, ENGINEERING, CIVIL, SCI, EI)
- (16) Chou, C. C.\*, Chang H. J., Hewes J. (2013). “Two-Plastic-Hinge and Two Dimensional Finite Element Models for Post-tensioned Precast Concrete Segmental Bridge Columns.” *Engineering Structures*, 46, 205-217, January (Ranking=18/122, 5-Year Impact Factor= 1.990, Impact Factor=1.713, ENGINEERING, CIVIL, SCI, EI, **Times Cited=27**)
- (17) Chou, C. C.\*, Liu, J. H. (2012). “Frame and Brace Action Forces on Steel Corner Gusset Plate Connections in Buckling-Restrained Braced Frames.” *Earthquake Spectra*, 28(2), 531-551. (Ranking=1/32, 5-Year Impact Factor=2.506, Impact Factor=1.079, ENGINEERING, GEOLOGICAL, SCI, EI, **Times Cited=8**), May 2012
- (18) Chou, C. C.\*, Liou, G. S., Yu, J. C. (2012). “Compressive Behavior of Dual-Gusset-Plate Connections for Buckling-Restrained Braced Frames.” *J. Constructional Steel Research*, 76, 54-67. (Ranking=30/122, 5-Year Impact Factor=1.565, Impact Factor=1.327, ENGINEERING, CIVIL, SCI, EI, **Times Cited=7**)
- (19) Chou, C. C.\*, Liu, J. H., Pham D. H. (2012). “Steel Buckling-Restrained Braced Frames with Single and Dual Corner Gusset Connections: Seismic Tests and Analyses.” *Earthquake Engineering and Structural Dynamics*, 7(41): 1137-1156. (Ranking=3/32, 5-Year Impact Factor=2.168, Impact Factor=1.898, ENGINEERING, GEOLOGICAL, SCI, EI, **Times Cited=48**)
- (20) Chou, C. C.\*, Chen, J. H. (2012). “Development of Post-Tensioned Self-Centering Structures for Earthquake Resistance.” *International Journal of Structural Engineering*, Vol. 3, No. 1/2, 4-17 (**Invited Paper**).
- (21) Chou, C. C.\*, Chen, J. H. (2011). “Analytical Model Validation and Influence of Column Bases for Seismic Responses of Steel Post-tensioned Self-centering MRF Systems.” *Engineering Structures*, 33(9), 2628-2643 (Ranking=18/122, 5-Year Impact Factor= 1.990, Impact Factor=1.713, ENGINEERING, CIVIL, SCI, EI, **Times Cited=8**)

- (22) Chou, C. C.\*, Chen, J. H. (2011). “Development of Floor Slab for Steel Post-tensioned Self-centering Moment Frames.” *J. Constructional Steel Research*, 67(10), 1621-1635 (Ranking=30/122, 5-Year Impact Factor=1.565, Impact Factor=1.327, ENGINEERING, CIVIL, SCI, EI, **Times Cited=9**).
- (23) Chou, C. C.\*, Chen, J. H. (2011). “Seismic Design and Shake Table Tests of a Steel Post-Tensioned Self-Centering Moment Frame with a Slab Accommodating Frame Expansion.” *Earthquake Engineering and Structural Dynamics*, 40 (11), 1241-1261 (Ranking=3/32, 5-Year Impact Factor=2.168, Impact Factor=1.898, ENGINEERING, GEOLOGICAL, SCI, EI, **Top Cited Papers from 2011 on EESD news, Times Cited=20**).
- (24) Chou, C. C.\*, Chen, J. H. (2011). “Seismic Tests of Post-tensioned Self-Centering Building Frames with Column and Slab Restraints.” *Journal of Frontiers of Architecture and Civil Engineering in China*, 5(3), 323-334. (**Invited Paper**).
- (25) Chou, C. C.\*, Jao, C. K. (2010). “Seismic Rehabilitation of Welded Steel Beam-to-box Column Connections Utilizing Internal Flange Stiffeners.” *Earthquake Spectra*, 26(4), 927-950. (Ranking=1/32, 5-Year Impact Factor=2.506, Impact Factor=1.079, ENGINEERING, GEOLOGICAL, SCI, EI, **Times Cited=5**).
- (26) Chou, C. C.\*, Chen, J. H. (2010). “Column Restraint in Post-tensioned Self-centering Moment Frames.” *Earthquake Engineering and Structural Dynamics*, 39(7), 751-774. (Ranking=3/32, 5-Year Impact Factor=2.168, Impact Factor=1.898, ENGINEERING, GEOLOGICAL, SCI, EI, **Times Cited=13**)
- (27) Chou, C. C.\*, Chen, S. Y. (2010). “Subassembly Tests and Finite Element Analyses of Sandwiched Buckling-restrained Braces.” *Engineering Structures*, 32, 2108-2121. (22/125, 5-Year IF= 2.152, IF=1.838, SCI, EI, **Times Cited=145**).
- (28) Chou, C. C.\*, Chen, J. H. (2010). “Tests and Analyses of a Full-scale Post-tensioned RCS Frame Subassembly” *J. Constructional Steel Research*, 66(11), 1354-1365. (Ranking=30/122, 5-Year Impact Factor=1.565, Impact Factor=1.327, ENGINEERING, CIVIL, SCI, EI, **Times Cited=14**)
- (29) Chou, C. C.\*, Tsai, K. C., Wang, Y. Y. Jao, C. K. (2010). “Seismic Rehabilitation Performance of Steel Side Plate Moment Connections.” *Earthquake Engineering and Structural Dynamics*, 39, pp: 23-44 (Ranking=3/32, 5-Year Impact Factor=2.168, Impact Factor=1.898, ENGINEERING, GEOLOGICAL, SCI, EI, **Most-Accessed Papers from 2010 on EESD Website**)
- (30) Chou, C. C.\*, Lai, Y. J. (2009). “Post-tensioned Self-centering Moment Connections with Beam Bottom Flange Energy Dissipators.” *J. Constructional Steel Research*, 65(10), 1931-1941. (Ranking=30/122, 5-Year Impact Factor=1.565, Impact Factor=1.327, ENGINEERING, CIVIL, SCI, EI, **Times Cited=16**)
- (31) Chou, C. C.\*, Chen, P. J. (2009). “Compressive Behavior of Central Gusset Plate Connections for a Buckling-restrained Braced Frame” *J. Constructional Steel Research*, 65(5), 1138-1148. (Ranking=30/122, 5-Year Impact Factor=1.565, Impact Factor=1.327, ENGINEERING, CIVIL, SCI, EI, **Times Cited=16**)
- (32) Chou, C. C.\*, Tsai, K. C., Yang, W. C. (2009). “Self-centering Steel Connections with Steel Bars and a Discontinuous Composite Slab.” *Earthquake Engineering and Structural Dynamics*, 38(4): 403-422. (Ranking=3/32, 5-Year Impact Factor=2.168, Impact Factor=1.898, ENGINEERING, GEOLOGICAL, SCI, EI, **Times Cited=16**)

- (33) Weng, Y. T., Tsai, K. C. \*, Chen, P. C., Chou, C. C., Chan, Y. R., Jhuang, S. J., and Wang, Y. Y. (2009). "Seismic Performance Evaluation of a 34-story Steel Building Retrofitted with Response Modification Elements." *Earthquake Engineering and Structural Dynamics*, 38: 759-781. (Ranking=3/32, 5-Year Impact Factor=2.168, Impact Factor=1.898, ENGINEERING, GEOLOGICAL, SCI, EI)
- (34) Chou, C. C.\*, Weng, C. Y., Chen, J. H. (2008). "Seismic Design and Behavior of Post-tensioned Connections Including Effects of a Composite Slab." *Engineering Structures*, 30, pp. 3014-3023. (Ranking=18/122, 5-Year Impact Factor= 1.990, Impact Factor=1.713, ENGINEERING, CIVIL, SCI, EI, **Times Cited=20**)
- (35) Chou, C. C.\*, Hsu, C. P. (2008). "Hysteretic Model Development and Seismic Response of Unbonded Post-tensioned Precast CFT Segmental Bridge Columns" *Earthquake Engineering and Structural Dynamics*, 37, 919-934. (Ranking=3/32, 5-Year Impact Factor=2.168, Impact Factor=1.898, ENGINEERING, GEOLOGICAL, SCI, EI, **Times Cited=32**)
- (36) Tsai, K. C. \*, Chou, C. C., Lin, C. L., Chen, P. C., Jhang, S. J. (2008). "Seismic Self-centering Steel Beam-to-Column Moment Connections using Bolted Friction Devices." *Earthquake Engineering and Structural Dynamics*, 37, 627-645. (Ranking=3/32, 5-Year Impact Factor=2.168, Impact Factor=1.898, ENGINEERING, GEOLOGICAL, SCI, EI)
- (37) Chou, C. C.\*, Uang, C. M. (2007). "Effects of Continuity Plate and Transverse Reinforcement on Cyclic Behavior of SRC Moment Connections." *J. Structural Engineering, ASCE*, 133(1), pp. 96-104. (Ranking=39/122, 5-Year Impact Factor=1.532, Impact Factor=1.206, ENGINEERING, CIVIL, SCI, EI, **Times Cited=19**)
- (38) Chou, C. C.\*, Wu, C. C. (2007). "Performance Evaluation of Steel Reduced Flange Plate Moment Connections." *Earthquake Engineering and Structural Dynamics*, 36(14), pp. 2083-2097 (Ranking=3/32, 5-Year Impact Factor=2.168, Impact Factor=1.898, ENGINEERING, GEOLOGICAL, SCI, EI, **Times Cited=37**)
- (39) Chou, C. C.\*, and Chen, J. H. (2007). "Cyclic Test and Finite Element Analysis of Earthquake Resistant Self-centering Connections with Steel Beams Post-tensioned to a Reinforced Concrete Column." *Civil Computing-Computer Application in Civil Engineering Magazine*, ACECOMS. (invited paper)
- (40) Chou, C. C.\*, Chen, Y. C. (2006). "Cyclic Tests of Post-tensioned Precast CFT Segmental Bridge Columns with Unbonded Strands." *Earthquake Engineering and Structural Dynamics*, 35, pp. 159-175. (Ranking=3/32, 5-Year Impact Factor=2.168, Impact Factor=1.898, ENGINEERING, GEOLOGICAL, SCI, EI, **Times Cited=130**)
- (41) Chou, C. C.\*, Uang, C. M., and Seible, F. (2006). "Experimental Evaluation of Compressive Behavior of Orthotropic Steel Plates for the New San Francisco-Oakland Bay Bridge." *J. Bridge Engineering, ASCE*, 11(2), pp. 1-11. (Ranking=61/122, 5-Year Impact Factor=0.956, Impact Factor=0.793, ENGINEERING, CIVIL, SCI, EI, **Times Cited=35**)
- (42) Chou, C. C.\*, Chen, J. H., Chen, Y. C., and Tsai, K. C. (2006). "Evaluating Performance of Post-tensioned Steel Connections with Strands and Reduced Flange Plates" *Earthquake Engineering and Structural Dynamics*, 35(9), pp. 1167-1185. (Ranking=3/32, 5-Year Impact Factor=2.168, Impact Factor=1.898, ENGINEERING, GEOLOGICAL, SCI, EI, **Times Cited=76**)
- (43) Uang, C. M. \*, Seible, F., McDaniel, C. C., and Chou, C. C. (2005). "Performance Evaluation of Shear Links and Orthotropic Bridge Deck Panels for the new San Francisco-Oakland Bay

- Bridge.” *Earthquake Engineering and Structural Dynamics*, 34, pp. 393-408. (Ranking=3/32, 5-Year Impact Factor=2.168, Impact Factor=1.898, ENGINEERING, GEOLOGICAL, SCI, EI)
- (44) Chou, C. C. and Uang, C. M.\* (2003). “A Procedure for Evaluating Seismic Energy Demand of Framed Structures.” *Earthquake Engineering and Structural Dynamics*, 32, pp. 229-244. (Ranking=3/32, 5-Year Impact Factor=2.168, Impact Factor=1.898, ENGINEERING, GEOLOGICAL, SCI, EI, **Times Cited=37**)
- (45) Chou, C. C. and Tsai, K. C.\* (2002). “Plasticity-Fiber Model for Steel Triangular Plate Energy Dissipating Devices.” *Earthquake Engineering and Structural Dynamics*, 31(9), pp. 1643-1655. (Ranking=3/32, 5-Year Impact Factor=2.168, Impact Factor=1.898, ENGINEERING, GEOLOGICAL, SCI, EI, **Times Cited=2**)
- (46) Chou, C. C. and Uang, C. M.\* (2002). “Cyclic Performance of a Type of Steel Beam to Steel-Encased Reinforced Concrete Column Moment Connections.” *J. Constructional Steel Research*, 58, pp. 637-663. (Ranking=32/118, 5-Year Impact Factor=1.285, Impact Factor=1.251, ENGINEERING, CIVIL, SCI, EI, **Times Cited=20**)
- (47) Uang, C. M.\* and Chou, C.C., (2001). “Notes on Building Performance,” *Earthquake Spectra*, EERI, Supplement to Vol. 17, 1999 Chi-Chi, Taiwan, Earthquake Reconnaissance Report, 2001, pp. 93-98. (Ranking=1/32, 5-Year Impact Factor=2.506, Impact Factor=1.079, ENGINEERING, GEOLOGICAL, SCI, EI)
- (48) Chou, C. C. and Uang, C. M.\* (2000). “Establishing Absorbed Energy Spectra-An Attenuation Approach.” *Earthquake Engineering and Structural Dynamics*, 29, pp. 1441-1455. (Ranking=3/32, 5-Year Impact Factor=2.168, Impact Factor=1.898, ENGINEERING, GEOLOGICAL, SCI, EI, **Times Cited=37**)
- (49) 李中生，周中哲\*，譚皓祥，陳威霖(2017)「玻璃纖維包覆加勁螺紋管圍束混凝土軸壓力學模型與試驗」，中國土木工程學刊 (review, in Chinese)。
- (50) 周中哲\*，蔡文璟，鍾秉庭 (2017)「鋼造自復位挫屈束制斜撐(SC-SBRB)發展及耐震試驗」，結構工程 (review, in Chinese)。
- (51) 周中哲\*，曾冠霖，凌郁婷(2017)「新竹科學園區十層樓鋼構造標準廠房微振動長期監測及耐震能力評估」，結構工程 (re-review, in Chinese)。
- (52) 周中哲\*，蕭佳宏，陳澤邦，鍾秉庭，范廷海(2017)「全尺寸二層樓雙核心自復位斜撐構架與夾型挫屈束制斜撐構架之耐震試驗與非線性動力歷時分析」，結構工程，第三十二卷，第二期，35-64 頁(in Chinese)。2017 韓國首爾國際發明展金牌獎及特別獎(30 國參展、632 件專利作品)
- (53) 周中哲\*，吳松城(2017)「高強度混凝土充填箱型鋼柱於高軸力下之耐震試驗」，結構工程，第三十二卷，第一期，25-48 頁(in Chinese)。
- (54) 周中哲\*，吳愷毅，李中生(2016)「玻璃纖維包覆螺紋管圍束無箍筋之鋼筋混凝土圓柱發展與耐震試驗」，結構工程，第三十一卷，第二期，71-90 頁(in Chinese)。(中華民國尖端材料技協會 106 年度學生論文比賽產品創新競賽組特優獎)
- (55) 周中哲\*，鍾秉庭，鄭宇岑(2016)「全尺寸雙核心自復位斜撐及夾型挫屈束制斜撐耐震試驗」，結構工程，第三十一卷，第一期，93-111 頁(in Chinese)。

- (56) 周中哲\*, 吳宗翰, 陳澤邦, 陳映全, Alexis Rafael Ovalle Beato, 鍾秉庭(2015)「創新鋼造雙核心自復位斜撐抗震構架於臺灣的發展:由斜撐至實尺寸構架實驗驗證」, 鋼結構工程, 第 55 期, 54-76 頁(in Chinese, [中華民國鋼結構協會第 5 屆徵文比賽得獎文章](#))。
- (57) 周中哲\*, 鍾秉庭, 吳宗翰, 陳澤邦, 蕭佳宏, D.H. Pham, Alexis Rafael Ovalle Beato (2015)「鋼造夾型挫屈束制斜撐及雙核心自復位斜撐構架耐震設計及實驗」, 土木水利, 第四十二卷, 第二期, 61-71 頁(in Chinese, [Invited Paper](#))。
- (58) 宋裕祺\*, 葉芳耀, 洪曉慧, 張國鎮, 尹世洵, 邱毅宗, 許哲愷, 李政寬, 周中哲, 劉楨業, 莊瑞彰, 潘威佑(2015)「救災用鋼與玻璃纖維複合材料非對稱斜張橋之研究與開發」, 結構工程, 第三十卷, 第一期, 53-92 頁(in Chinese)。(2016 中華民國結構工程學會工程論著獎)
- (59) 周中哲\*, 鍾秉庭(2014)「新型鋼造雙核心自復位斜撐發展及耐震試驗」, 鋼結構工程, 第 53 期, 73-91 頁(in Chinese, [中華民國鋼結構協會第 4 屆徵文比賽得獎文章](#))。
- (60) 周中哲\*, 孫丕凡, 張國鎮, 葉芳耀, 劉楨業 (2014)「高分子複合材料翼型梁撓曲試驗及螺栓接合試驗行為」結構工程, 第二十九卷, 第一期, 86-106 頁(in Chinese)
- (61) 周中哲\*, 鍾秉庭, 范廷海, 鄭宇岑, 陳映全 (2014)「夾型挫屈束制斜撐及雙核心自復位斜撐減震技術發展與應用」, 減震技術通訊, 第一期, 15-20 頁, 中國(in Chinese, [Invited Paper](#))
- (62) 周中哲\*, 陳映全, 范廷海, 鍾秉庭, 張武明(2014)「鋼造雙核心自復位斜撐實驗分析與韌性斜撐構架之動力歷時行為」結構工程, 第二十九卷, 第三期, 81-104 頁(in Chinese)
- (63) 周中哲\*, 鍾秉庭(2014)「交錯型雙核心自復位斜撐發展驗證:耐震試驗及有限元素分析」結構工程, 第二十九卷, 第二期, 81-103 頁(in Chinese, [2015 台北國際發明暨技術交易展鉑金獎](#))
- (64) 周中哲\*, 陳逸(2013)「玻璃纖維橋面板與鋼梁剪力接合強度及實驗評估」結構工程, 第二十八卷, 第一期, 99-116 頁(in Chinese)
- (65) 周中哲\*, 羅盛威, 劉俊秀(2012)「翼型鋼柱與鋼梁內加勁接頭耐震設計與試驗分析」結構工程, 第二十七卷, 第四期, 51-69 頁(in Chinese)
- (66) 周中哲\*, 陳映全(2012)「預力雙核心自復位斜撐發展與耐震實驗」結構工程, 第二十七卷, 第三期, 108-126 頁(in Chinese, [2015 台北國際發明暨技術交易展鉑金獎](#))
- (67) 周中哲\*, 陳映全(2012)「鋼造雙核心自復位斜撐發展與耐震實驗:應用複合纖維材料棒為預力構件」, 土木工程學報, 45(2), 202-206, 中國 (EI) (in Chinese)
- (68) 周中哲\*, 劉佳豪(2012)「可更換核心板之挫屈束制消能斜撐實尺寸構架耐震試驗:單與雙接合板設計及驗證」結構工程, 第二十七卷, 第二期, 95-114 頁(in Chinese)
- (69) 周中哲\*, 劉佳豪(2011)「挫屈束制消能斜撐構架接合板耐震設計及試驗分析」結構工程, 第二十六卷, 第四期, 91-100 頁(in Chinese)
- (70) 周中哲\*, 陳俊翰(2011)「實尺寸預力預鑄自復位構架之耐震試驗及非線性動力歷時分析」結構工程, 第二十六卷, 第三期, 73-94 頁(in Chinese)

- (71) 周中哲\*，陳俊翰(2011)「預力預鑄自復位建築構架震動台試驗模擬分析與柱底接合行為耐震評估」結構工程，第二十六卷，第三期，95-121 頁(in Chinese)
- (72) 周中哲\*，劉佳豪(2011)「含消能斜撐構架效應之接合板耐震設計與試驗分析」建築鋼結構進展，中國科技核心期刊，第十三卷，第五期，44-49 頁。(Invited Paper, in Chinese)
- (73) 周中哲\*，陳俊翰(2010)「預力自復位構架樓板發展」結構工程，第二十五卷，第四期，91-112 頁。(in Chinese)
- (74) 周中哲\*，張浩然，陳俊翰，Joshua Hewes (2010)「預力預鑄混凝土節塊橋柱之雙塑鉸模型及反覆側推行為」結構工程，第二十五卷，第三期，55-76 頁。(in Chinese)
- (75) 周中哲\*，陳俊翰(2010)「含滑動樓板之預力預鑄自行復位建築構架耐震設計與震動台試驗」結構工程，第二十五卷，第三期，77-100 頁。(in Chinese)
- (76) 周中哲\*，陳昇陽(2010)「可更換核心板之挫屈束制消能支撐耐震試驗及有限元素分析」，結構工程，第二十五卷，第一期，43-70 頁。(in Chinese)
- (77) 周中哲\*，蔡克銓，汪永宇，饒智凱 (2010)「鋼造梁柱側板補強接頭耐震設計及行為」，中國土木水利工程學刊，第二十二卷，第一期，85-97 頁。(EI) (in Chinese, **中國土木水利 100 年度得獎論文**)
- (78) 周中哲\*，饒智凱(2010)「鋼造建築梁柱梁翼內側加勁板補強接頭耐震試驗及有限元素分析」，建築鋼結構發展，第十二卷，第一期，18-26 頁，中國科技核心期刊。(Invited Paper, in Chinese)
- (79) 周中哲\*，陳俊翰(2009)「預力預鑄自行復位建築構架柱束制梁效應分析與實驗評估」，結構工程，第二十四卷，第四期，105-128 頁。(in Chinese)
- (80) 周中哲\*，饒智凱(2008)「鋼骨梁柱梁翼內側加勁板補強接頭耐震行為」，結構工程，第二十三卷，第四期，101-123 頁。(in Chinese)
- (81) 翁元滔\*，蔡克銓，陳沛清，周中哲，莊勝智，汪永宇(2008)「高雄超高層建築改建結構耐震設計與性能評估應用實例」，結構工程，第二十三卷，第四期，59-84 頁(in Chinese)。
- (82) 周中哲\*，賴郁仁(2008)「含梁下翼板挫屈束制鋼板消能器之預力梁柱接頭耐震性能」，結構工程，第二十三卷，第二期，35-66 頁。(in Chinese)
- (83) 周中哲\*，許智堡(2008)「預力預鑄節塊橋柱勁度衰減旗幟模型發展及耐震行為」，結構工程，第二十三卷，第二期，67-89 頁。(in Chinese)
- (84) 周中哲\*，吳家慶(2008)「削切蓋板鋼骨梁柱接頭設計與耐震性能」，建築鋼結構發展，第十卷，第二期，11-18 頁，中國科技核心期刊。(Invited Paper, in Chinese)
- (85) 蔡克銓，周中哲\*，林錦隆，陳沛智，莊勝智(2007)「鋼造含摩擦型消能裝置預力梁柱接頭之耐震行為研究」，中國土木水利工程學刊，第十九卷，第一期，67-89 頁。(EI) (in Chinese)
- (86) 周中哲\*，陳俊翰(2007)「預力鋼梁與鋼筋混凝土柱自行復位接頭之耐震行為」，中國土木水利工程學刊，第十九卷，第三期，425-437 頁。(EI) (in Chinese)

- (87) 周中哲\*, 陳沛均(2007)「鋼骨斜撐構架系統接合板挫屈行為」, 結構工程, 第二十二卷, 第二期, 3-27 頁。(in Chinese)
- (88) 周中哲\*, 楊文嘉, 蔡克銓(2007)「含消能鋼棒之預力鋼造梁柱接頭遲滯行為」, 中國土木工程學刊, 第十九卷, 第一期, 45-55 頁。(EI) (in Chinese)
- (89) 周中哲\*, 吳家慶(2006)「削切蓋板鋼骨梁柱接頭之耐震性能」, 中國土木工程學刊, 第十八卷, 第四期, 535-546 頁。(EI) (in Chinese)
- (90) 周中哲\*, 陳鈺智, 錢明山 (2006)「預力預鑄鋼管混凝土節塊橋柱之耐震行為」, 結構工程, 第二十一卷, 第一期, 87-106 頁。(in Chinese)
- (91) 周中哲\*, 陳俊翰, 陳鈺智, 蔡克銓 (2006)「預力鋼梁與鋼管混凝土柱接合之抗震行為」, 結構工程, 第二十一卷, 第三期, 37-54 頁。(in Chinese)
- (92) 莊勝智, 楊文嘉, 周中哲, 蔡克銓\* (2005)「預力耐震結構系統」, 中國工程師學會會刊, Vol. 78, No. 3, 81-100 頁。(in Chinese)
- (93) 蔡克銓\*, 周中哲(1996)「鋼造消能器塑性模型」, 中國土木工程學刊, 第八卷, 第一期, 45-54 頁。(EI) (in Chinese)

## 研討會文章(Conference Paper)

- (1) Pham, D. H., Chou, C. C. (2017). Stability of Sandwiched Buckling Restrained Braces in Full-Scale Two-Story Steel X-BRBF Tests. *The Thirtieth KKHTCNN Symposium on Civil Engineering*, November 2-4, Taipei.
- (2) Chou, C. C. (2017). Smart Monitoring and Earthquake Reduction Technologies for High-Tech Fabs. *High-Tech Facility International Forum of SEMICON Taiwan 2017*, September 14th, Taipei. ([Keynote Speech](#))
- (3) Capart, H., Chou, C. C., Kuo, P. H., Yu, W. L., Hsu, T. H., Hsieh, S. H., Lu, L. H., Tomita, M. (2017). Education of future builders through footbridge design to construction projects. *6th International Footbridge Conference*, September 6-8, Berlin.
- (4) Chou, C. C., Lee, C. S., Wu, K. Y., Chin, V. L. (2017). Development of a FRP-Wrapped Spiral Corrugated Tube for Seismic Performance of Reinforced Concrete Columns. *2017 International Conference on Earthquakes and Structures*, Aug. 28-Sep. 1, Seoul, Korea.
- (5) Chung, P. T., Chou, C. C. (2017). Seismic test and finite element analysis of a high-performance dual-core self-centering brace with a friction gusset connection. *2017 International Conference on Earthquakes and Structures*, Aug. 28-Sep. 1, Seoul, Korea.
- (6) Chou, C. C., Lee, C.S., Wu, K.Y. and Chen, V. L. (2016). Seismic tests of reinforced concrete columns confined with a FRP-wrapped spiral corrugated tube (FWSCT). *18th Japan-Korea-Taiwan Joint Seminar on Earthquake Engineering for Building Structures*, December 2-3, Tainan, Taiwan.



- (7) Chen C., Gong H., Chou, C. C. (2015). Seismic behavior and application of buckling-restrained braces in China and Taiwan. *14th World Conference on Seismic Isolation, Energy Dissipation and Active Vibration Control of Structures*, September 9-11, San Diego, USA.
- (8) Chou, C. C., Sun, P. F., Chang, K. C., Yeh F. Y. (2015). Structural testing and behavior of multi-bolted joints in pultruded fiber reinforced polymer (FRP) I-Beams. *17th Japan-Taiwan-Korea Joint Seminar on Earthquake Engineering for Building Structures*, September 18-19, Yokohama and FujiKawaguchiko, Japan.
- (9) Chou, C. C., Chung, P.T., Wu, T.H., Beato Ovall, R.A. (2015). Development and validation of a steel dual-core self-centering brace for seismic resistance: from brace member to one-story one-bay braced frame tests. *8th International Conference on Behavior of Steel Structures in Seismic Areas*, July 1-3. Shanghai, China.
- (10) Chou, C. C., Chung, P.T., Wu, T.H., Beato Ovall, R.A. (2014). Development and seismic performance evaluation of a steel dual-core self-centering braced frame system in Taiwan. *5th Asia Conference on Earthquake Engineering*, October 16-18, Taipei, Taiwan. **(Keynote Speech)**
- (11) Chou, C. C., Chung, P.T., Cheng, Y.T. (2014). Seismic tests of large-scale energy dissipating braces: dual-core self-centering brace and sandwiched buckling-restrained brace. *5th Asia Conference on Earthquake Engineering*, October 16-18, Taipei, Taiwan.
- (12) Chou, C. C., Chung, P.T. (2014). Development and seismic tests of a cross-anchored dual-core self-centering brace using steel tendons as tensioning elements. *Proceedings of the 10th National Conference on Earthquake Engineering*, Earthquake Engineering Research Institute, July 21-25, Anchorage, AK, USA.
- (13) Chou, C. C., Sun, P. F. and Chen, Y. C. (2014). Structural Testing of Dual-Core Self-Centering Braces with FRP Bars and FRP Wide-Flange Beams. *Proceedings of American Society for Composites 29th Technical Conference, 16th US-Japan Conference on Composite Materials and ASTM D30 meeting*, San Diego, CA, USA.
- (14) Lee, C. S., Chou, C. C., and Teng, H. S. (2014). Lateral Load-Displacement Response Analysis of RC Columns Wrapped by FRP Composites. *Proceedings of American Society for Composites 29th Technical Conference, 16th US-Japan Conference on Composite Materials and ASTM D30 meeting*, San Diego, CA, USA.
- (15) Yeh, F.Y., Hung, H.H., Chang, K.C., Sung, Y.C., Yin, S.H., Chou, C.C., Chiu, Y.T., Chen, W.T., Sun, P.F. (2014). A Novel Steel-FRP Composite Emergency Bridge for Disaster. *5th International Conference Footbridges*, July 16-18, London, UK.
- (16) Chou, C. C., Tsuang, S., Liu, T. Y. (2014). Development of a Generic Frame Model of Ambient Vibration. *Proceedings of 10th International Workshop on Advanced Smart Materials and Smart Structures Technology*, National Taiwan University, Taipei, Taiwan.
- (17) Chou, C. C., Uang, C. M., Seible, F. (2014). Structural Testing of Orthotropic Steel Decks and a Skyway Reinforced Concrete Pier for the New SFOBB. *Proceedings of the New San Francisco Oakland Bay Bridge and Taipei SheZi Bridge Seminar*, Center for Earthquake Engineering Research, National Taiwan University, January 10th, Taipei, Taiwan.
- (18) Chou, C. C., Chen, Y. C., Pham, D. H., Beato Ovalle A. R., Wu, T. H. (2013). "Seismic Responses and Finite Element Analyses of a Novel Steel Dual-Core Self-Centering Braced

Frame.” *15th Korea-Japan-Taiwan Joint Seminar on Earthquake Engineering for Building Structures*, November 28-29, Taipei, Taiwan.

- (19) Chou, C. C., Chung, P. T., Pham, D. H., Chen, Y. C. (2013). “Development of Low-Damage Earthquake-Resisting Steel Systems Using Sandwiched Buckling-Restrained Braces and Dual-Core Self-Centering Braces.” *2nd International Conference on Sustainable Infrastructure and Built Environment*, November 19-20, Bandung, Indonesia.
- (20) Chou, C. C., Chung, P. T., Pham, D. H., Chen, Y. C. (2013). “Low-Damage Earthquake-Resisting Frames Using Steel Sandwiched Buckling-Restrained Braces and Dual-Core Self-Centering Braces.” *5th International Conference on Advances in Experimental Structural Engineering*, November 8-9, Taipei, Taiwan.
- (21) Chou, C. C., Chen Y. C., Chen S. Y. (2013). “Test and Computer Modeling of Steel Braces for Earthquake-Resistant Structures: Dual-Core Self-Centering Brace and Sandwiched Buckling-Restrained Brace.” *2nd International Conference on Advances in Computer Science and Engineering*, July 1-2, Los Angeles, USA.
- (22) Chou, C. C., Chen Y. C., Chang H. J. (2013). “Design and Tests of Post-Tensioned Structural Systems for Seismic Resistance: from Segmental Bridge Columns to Dual-Core Self-Centering Braces.” *7th National Seismic Conference on Bridges & Highways*, May 20-22, Oakland, USA.
- (23) Chou, C. C., Chen Y. C., Chang H. J. (2013). “Design and Tests of Post-Tensioned Structural Systems for Seismic Resistance: from Segmental Bridge Columns to Dual-Core Self-Centering Braces.” *7th National Seismic Conference on Bridges & Highways*, May 20-22, Oakland, USA.
- (24) Chou, C. C., Chen Y. C., Chung P. T., Pham D. H., Liu J. H. (2013). “Low-Damage Earthquake-Resisting Systems Using Sandwiched Buckling-Restrained Braces and Dual-Core Self-Centering Braces.” *The 3th International Conference on Civil Engineering, Architecture and Building Materials*, May 25-26, Jinan, China (**Keynote Speech**).
- (25) Chou, C. C., Chen Y. C., Chang H. J. (2013). “Development of Post-Tensioned Structural Systems from Segmental Bridge Columns to Steel Dual-Core Self-Centering Braces.” *6th Taiwan-Japan Workshop on Structural and Bridge Engineering*, April 4-5, Kyoto, Japan.
- (26) Chou, C. C., Chen Y. C., Pham D. H., Truong V. M. (2012). “Seismic Performance and Durability Assessment of a New Steel Dual-Core Self-Centering Brace with FRP Composite Tendons.” *The first International Conference on Performance-based and Life-cycle Structural Engineering*, December 5-7, Hong Kong.
- (27) Chou, C. C., Chen Y. C., Pham D. H., Truong V. M. (2012). “Seismic Performance and Durability Assessment of a New Steel Dual-Core Self-Centering Brace with FRP Composite Tendons.” *The 4th Asia-Pacific Young Researchers and Graduates Symposium*, December 4-5, Hong Kong.
- (28) Chou, C. C. (2012). “Experimental Performances of FRP Composites in Civil Engineering Structures: Self-Centering Brace, Bridge Deck, and Wide-Flange Beam.” *International Workshop on Applications of FRP Composites in Civil Engineering*, November 5-6, Taipei, Taiwan.
- (29) Chou, C. C. (2012). “Experimental Performances of FRP Composites in Civil Engineering Structures: Self-Centering Brace, Bridge Deck, and Wide-Flange Beam.” *Taiwan-Russia Bilateral Symposium on Civil Engineering*, November 2-4, Taipei, Taiwan

- (30) Chou, C. C., Lo, S. W., Liou, G. S. (2012). "Internal Flange Stiffened Moment Connections with low damage capability under seismic loading." *14th Taiwan-Korea-Japan Joint Seminar on Earthquake Engineering for Building Structures*, November 1-2, Osaka, Japan.
- (31) Chung, P. T., Chou, C. C. (2012). "Effects of Bonded Material and Concrete Infill in Sandwiched BRBs Subjected to Cyclic and Near-Field Loading" *25th KKCNN Symposium on Civil Engineering*, October 22-24, Busan, Korea.
- (32) Chou, C. C., Chen Y. (2012). "Experimental and Analytical Evaluation of Composite Action between Steel Girders and Fiber-Reinforced Polymer Bridge Decks." *15th World Conference on Earthquake Engineering*, September 24-28, Lisbon, Portugal. (Paper No. 3816)
- (33) Chou, C. C., Chen Y. C. (2012). "Development and Seismic Performance of Steel Dual-Core Self-Centering Braces." *15th World Conference on Earthquake Engineering*, September 24-28, Lisbon, Portugal. (Paper No. 1648)
- (34) Chou, C. C., Liu G. H. (2012). "Seismic Tests of Steel Buckling-Restrained Braced Frames for Evaluating Effects of Free-Edge Stiffeners and Frame Action Forces on Corner Gusset Connections." *15th World Conference on Earthquake Engineering*, September 24-28, Lisbon, Portugal. (Paper No. 1667)
- (35) Yeh, F. Y., Chang, K. C., Liu, K. Y., Hung, H. H., Chou, C. C., Liu, T., Sung P. F., Pan W. Y., Sung Y. C., Yin, S. H., Chiu, Y. T., Wang, C. Y. (2012). "A Novel Composite Emergency Bridge for Disaster Rescue." *15th World Conference on Earthquake Engineering*, September 24-28, Lisbon, Portugal. (Paper No. 0810)
- (36) Chou, C. C., Chen, Y. (2012). "Composite Action between a Steel Girder and Fiber-reinforced Polymer Bridge Deck." *5th Taiwan-Japan Bridge Workshop*, March 19, Taipei, Taiwan.
- (37) Chou, C. C., Chen Y. C. (2012). "Development of Steel Dual-Core Self-Centering Braces with E-Glass FRP Composite Tendons: Cyclic Tests and Finite Element analyses." *The International Workshop on Advances in Seismic Experiments and Computations*, March 12-13, Nagoya, Japan.
- (38) Chou, C. C., Chen Y. C, Pham D. H, Truong V. M. (2012). "Experimental and Analytical Validation of Steel Dual-Core Self-Centering Braces For Seismic-Resisting Structures." *9th International Conference on Urban Earthquake Engineering/4th Asia Conference on Earthquake Engineering*, March 6-8, Tokyo, Japan.
- (39) Pham, D.H. Chou, C. C., (2011). "Seismic Responses of Buckling-Restrained Braced Frames and Self-Centering Braced Frames." *24th KKCNN Symposium on Civil Engineering*, Hyogo, Japan.
- (40) Chou, C. C., Liu J.H., Pham D.H. (2011). "Seismic Performance of a Steel Buckling-restrained Braced Frame: Frame and Brace Actions on Corner Gusset Connection." *Advances in Structural Engineering and Mechanics*, Seoul, Korea.
- (41) Chou, C. C., Liu J.H., Pham D.H. (2011). "Seismic Design and Performance Evaluation for Corner Gusset Connections in a Steel Buckling-restrained Braced Frame." *3rd Asia Pacific Young Researchers and Graduates Symposium*, Taipei, Taiwan.
- (42) Chou, C. C., Chen, S. Y. (2011). "Seismic Performance of Sandwiched Buckling-restrained Braces." *4th Taiwan-Japan Workshop on Bridge Engineering*, Kyoto, Japan.

- (43) Chou, C. C., Liu J.H. (2010). “Frame and Brace Actions in Corner Gusset Plate Connections of Steel Buckling-restrained Braced Frames.” *12th Taiwan-Korea-Japan Joint Seminar on Earthquake Engineering for Building Structures*, Kaohsiung, Taiwan.
- (44) Chen J. H., Chou C. C. (2010). “Shake Table Tests and Dynamic Analyses of a Steel Self-Centering Post-Tensioned Moment Frame.” *23rd KKCNN Symposium on Civil Engineering*, Taipei, Taiwan.
- (45) Chou, C. C., Chen J. H. (2010) “Development of Floor Slab for Precast Post-tensioned Self-centering Buildings.” *4th Asian Concrete Federation International Conference*, Taipei, Taiwan.
- (46) Chou, C. C. (2010) “Recent Development of Post-tensioned Self-centering Structures for Earthquake Resistance.” *US-Taiwan Workshop on the Advancement of Societal Responses to Mega-Disasters Afflicting Mega-Cities*, Taipei, Taiwan.
- (47) Chou, C. C., Chen, J. H (2010) “Experimental and Analytical Studies of a Full-scale Post-tensioned Precast RCS Frame under Earthquakes.” *2nd Asia Pacific Young Researchers and Graduates Symposium*, Hangzhou, China.
- (48) Chou, C. C. (2009) “Slab and Column Restraints in Post-tensioned Self-centering Structures using Precast Concrete Columns and Steel Beams.” *2nd Kwang-Hua World Forum on Performance-based Design Theory and Code Development for Civil and Structural Engineering*, Shanghai, China. (Invited Speaker)
- (49) Chou, C. C., Chen, J. H. (2009) “Cyclic Tests and Dynamic Responses of a Full-scale Post-tensioned Precast RCS Frame.” *11th Taiwan-Korea-Japan Joint Seminar on Earthquake Engineering for Building Structures*, Kyoto, Japan
- (50) Chou, C. C., Chen, S. Y. (2009) “Subassemblage Tests and Finite Element Analyses of Sandwiched Buckling-Restrained Braces with a Replaceable Core.” *6th International Conference for Behavior of Steel Structures in Seismic Area*, Pennsylvania, USA.
- (51) Chou, C. C., Chen, S. Y. (2009) “Ultimate Response of Sandwiched Buckling-Restrained Braces.” *International Conference in Commemoration of the 10th Anniversary of the 1999 Chi-Chi Earthquake*, Taiwan
- (52) Chou, C.C., Chen, S. Y. (2009) “Seismic Tests and Finite Element Analyses of Sandwiched Buckling-Restrained Braces with a Replaceable Core.” *Proceedings of 5th International Symposium on Steel Structures*, Seoul, Korea. (Invited Speaker, Invited Session Organizer)
- (53) Chou, C. C., Chen, J. H. (2009) “Shake Table Tests of a Steel Post-Tensioned Self-Centering Moment Frame with a Composite Slab Accommodating Frame Expansion.” *Proceedings of 5th International Symposium on Steel Structures*, Seoul, Korea.
- (54) Tsai, C. Y. Tsai, K. C., Lin, M. L. and Chou, C. C. (2009) “Finite Element Responses of a Full Scale Steel Concentrically Braced Frame.” *Proceedings of 5th International Symposium on Steel Structures*, Seoul, Korea.
- (55) Chou, C. C., Jao, C. K. (2009) “Rehabilitation of Welded Steel Moment Connections Prior to 1996.” *1st Asia Pacific Young Researchers and Graduates Symposium*, Kunsan, Korea. (Invited Speaker)

- (56) Chou, C. C., Chen, J. H. (2008) "Column Restraining Effects in Post-tensioned Self-Centering Moment Frames." *14th World Conference on Earthquake Engineering*, Paper No. 12-01-0150, Beijing, China.
- (57) Chou, C. C., Tsai, K. C., Wang, Y. Y. Jao, C. K. (2008). "Seismic Performance of Steel Side Plate Moment Connections." *14th World Conference on Earthquake Engineering*, Paper No. 05-05-0069, Beijing, China.
- (58) Tsai, K. C., Weng, Y. T., Chen, P. C., Jhuang, S. J., Chou, C.C., Wang, Y. Y. (2008). "Seismic Assessments of a 34-story Steel Building Retrofitted with Response Modification Elements." *14th World Conference on Earthquake Engineering*, Paper No. S05-02-015, Beijing, China.
- (59) Chou, C. C. Chen, P. J. (2008). "Analytical Study of the Compressive Behavior of BRBF Gusset Plate Connections." *11th East Asia-Pacific Conference on Structural Engineering and Construction*, Taipei, Taiwan. (Local Committee Member)
- (60) Chou, C. C., Chen, J. H. (2008) "Seismic Analyses and Tests of a Post-tensioned Self-Centering Moment Frame." *21th KKCNN Symposium on Civil Engineering*, Singapore.
- (61) Tsai, K. C., Weng Y. T., Chen P. C., Chou C. C. and Jhuang S. J. (2008) "Seismic Response Modification Design and Analysis for An Existing 34-Story Steel Building" *International Symposium on Structural Control and Health Monitoring*, Taichung, Taiwan.
- (62) Chou, C. C., Jao, C. K. (2007) "Seismic Rehabilitation of Steel Moment Connections Utilizing Flange Internal Stiffeners" *2nd International Conference on Urban Disaster Reduction*, Taipei, Taiwan.
- (63) Chou, C. C., Hsu, C. P. (2007). "Hysteretic Model Development and Seismic Response of Unbonded Post-tensioned Precast CFT Segmental Bridge Columns" *International Association for Bridge and Structural Engineer (IABSE) Symposium*, Weimar, Germany.
- (64) Chou, C. C., Weng, C. Y., Chen, J. H. (2007). "Cyclic Testing of Post-tensioned Connections Including Effects of a Composite Slab." *9th Korea-Japan-Taiwan Joint Seminar on Earthquake Engineering for Building Structures*, Hsinchu, Taiwan.
- (65) Chou, C. C., Wu, C. C., Jao, C. K., and Wang, Y. Y. (2006). "Weakened and Strengthened Steel Moment Connections" *4th International Conference on Earthquake Engineering*, Paper No: 152, Taipei, Taiwan.
- (66) Chou, C. C. and Chen, J. H. (2006). "Experimental Response and Finite Element Analysis of Post-tensioned Connections with Steel Beams and a Reinforced Concrete Column." *10th East Asia-Pacific Conference on Structural Engineering and Construction*, Bangkok, Thailand. p: 419-424.
- (67) Chou, C. C. and Lai, Y. J. (2006). "Seismic Resistant Self-centering Moment Connections with Bottom Flange Buckling-restrained Energy Dissipators." *8th Taiwan-Korea-Japan Joint Seminar on Earthquake Engineering for Building Structures*, Japan.
- (68) Chou, C. C. and Chen, J. H. (2006). "Cyclic Tests on a Full-scale One-Story Frame With Post-Tensioned Steel Beams and Reinforced Concrete Columns." *U.S.-Taiwan Workshop on Self-Centering Structural Systems*, Taipei, Taiwan.

- (69) Tsai, K. C., Chou, C. C., Lin, C. L., Chen, P. C. and Jhuang, S. J. (2006), "Seismic Self-Centering Steel Beam-to-Column Moment Connections using Bolted Friction Devices", *U.S.-Taiwan Workshop on Self-Centering Structural Systems*, Taipei, Taiwan.
- (70) Chou, C. C., Wang, Y. C., Chen, J. H. and Tsai, K. C. (2006). "Composite Slab Effects on Self-Centering Connections with Steel Beams Post-tensioned to a CFT Column." *8th ASCCS International Conference on Steel-Concrete Composite Structures*, Harbin, China.
- (71) Chou, C. C. and Wu, C. C. (2006). "Cyclic Performance of Reduced Flange Plate Moment Connections." *8th U.S. National Conference on Earthquake Engineering*, San Francisco, CA.
- (72) Chou, C. C., Chen, J. H., Chen, Y. C., and Tsai, K. C. (2006). "Cyclic Performance of Self-Centering Connections with Steel Beams Post-tensioned to a Column," *8th U.S. National Conference on Earthquake Engineering*, San Francisco, CA.
- (73) Jhuang, S. J., Yang, W. C., Chou, C. C., and Tsai, K. C. (2006). "Seismic Responses of Structural Systems using Steel Post-tensioned Members" *8th U.S. National Conference on Earthquake Engineering*, San Francisco, CA.
- (74) Tsai, K. C., Chou, C. C., Lin, C. L., Chen, P. C. and Jhuang, S. J. (2006), "Seismic Self-Centering Steel Beam-to-Column Moment Connections using Bolted Friction Devices", *Proceedings, US-KOREA Joint Workshop on Smart Structures Technology for Steel Structures*, Seoul.
- (75) Chou, C. C., Yang, W. C., and Tsai, K. C. (2005). "Experimental Evaluation of Post-tensioned Steel Connections with Steel Bars and a Discontinuous Slab." *7th Japan-Taiwan-Korea Joint Seminar on Earthquake Engineering for Building Structures*, Korea.
- (76) Uang, C. M., Seible, F., McDaniel, C., and Chou, C. C. (2005) "Performance Evaluation of Shear Links for the New San Francisco-Oakland Bay Bridge." Caltrans Bridge Research Conference, Sacramento, CA.
- (77) Chou, C. C. Chen, Y. C., and Chien, M. S. (2005) "Seismic Behavior of Post-tensioned Precast Concrete-Filled Tube Segmental Bridge Columns." Proceedings of 4th International Conference on Advances in Steel Structures, Shanghai, China.
- (78) Chou, C. C., Chen, J. H., Chen, Y. C., and Tsai, K. C. (2005). "Experimental and Analytical Studies of Self-Centering Steel Connections." U.S.-Taiwan Workshop on Self-Centering Structural Systems, Taipei, Taiwan.
- (79) Tsai, K. C., Chou, C. C., and Jhuang, S. J. (2005). "Seismic Response of Structural Systems Using Self-Centering Connections." U.S.-Taiwan Workshop on Self-Centering Structural Systems, Taipei, Taiwan.
- (80) Chou, C. C., Tsai, K. C., Chen, J. H., Chen, Y. C., and Jhuang, S. C. (2005) "Cyclic Behavior of Post-tensioned Steel Connections with Reduced Flange Plate and Slab." 1st International Conference on Advances in Experimental Structural Engineering, Nagoya, Japan.
- (81) Chou, C. C., Chen, J. H., and Chen, Y. C. (2004). "Performance Evaluation of Post-tensioned Steel Connections for Moment-Resisting Frames." 6th Korea-Japan-Taiwan Joint Seminar on Earthquake Engineering for Building Structures, Taiwan.
- (82) Chou, C. C., Uang, C. M. (2004). "Evaluating Distribution of Seismic Energy in Multistory Frames." 13th World Conference on Earthquake Engineering, Vancouver, B.C., Canada.

- (83) Chou, C. C., Uang, C. M., and Seible, F. (2004). "Compression Behavior of Steel Orthotropic Deck Panels for the New San Francisco-Oakland Bay Bridge." ASCE Orthotropic Steel Bridge Conference, Sacramento, CA.
- (84) Chou, C. C., Uang, C. M. (2003). "Comparison of Cyclic Performance for Two Types of Exterior Moment Connections with a Steel Beam to an SRC Column." International Workshop on Steel and Concrete Composite Construction, Taiwan.
- (85) Uang, C. M., Seible, F., McDaniel, C. C., and Chou, C. C. (2003). "Performance Evaluation of Shear Links and Orthotropic Bridge Deck Panels for the San Francisco-Oakland Bay Bridge." 5th International Conference: Seismic Bridge Design and Retrofit for Earthquake Resistance, American Concrete Institute, La Jolla, CA.
- (86) Chou, C. C., Uang, C. M. (2003). "Evaluation of Seismic Energy Distribution in Structures – A Modal Pushover Analysis Procedure." 5th Taiwan-Korea-Japan Joint Seminar on Earthquake Engineering for Building Structures, Kyoto, Japan.
- (87) Chou, C. C., Uang, C. M. (2003). "Experimental and Analytical Studies of a Moment Connection with Steel Beams to a Steel-encased Reinforced Concrete Column." 3rd Cross-strait Conference on Structural and Geotechnical Engineering, Taiwan.
- (88) Chou, C. C., Uang, C. M., and Seible, F. (2003). "Compression Behavior of Steel Orthotropic Deck Panels for the New San Francisco-Oakland Bay Bridge." 7th International Symposium on New Perspectives for Shell and Spatial Structures, Taipei, Taiwan.
- (89) Chou, C. C., McDaniel, C. C., Uang, C. M., and Seible, F. (2003). "Numerical and Experimental Investigation of Steel Structural Component of the New San Francisco-Oakland Bay Bridge." 2nd MIT Conference on Computational Fluid and Solid Mechanics, Boston.
- (90) Chou, C. C. and Uang, C. M. (2002). "Evaluation of Site-Specific Energy Demand for Building Structures." 7th U.S. National Conference on Earthquake Engineering, Boston.
- (91) Chou, C. C. and Uang, C. M. (2000). "Experimental Studies of Composite-SMF Connections with Reinforced-Concrete-Encased Column and Steel Beams." 6th. ASCCS International Conference, Steel-Concrete Composite Structures, California.
- (92) Uang, C. M. and Chou, C. C. (1997). "Two Types of Connection Details for Composite Special Moment Frames with Reinforced-Concrete-Encased Composite Column and Steel Beam." 4th. JTCC Workshop, US-Japan Cooperative Earthquake Research Program on Composite and Hybrid Structures, California.
- (93) Tsai, K. C. and Chou, C. C. (1994). "Low Strength Steel Plate for Seismic Energy Dissipators." Proceedings, 1st ROC-New Zealand Workshop on Earthquake Engineering, Taipei.
- (94) 周中哲, 凌郁婷, 曾冠霖, 鍾秉庭(2017) 「新竹科學園區鋼構造廠房微振動監測及抗震能力評估」, 第七屆全國結構抗振控制與健康監測學術會議, 11月10~12日, 武漢市 (**Invited Speaker**, in Chinese)
- (95) 李中生, 周中哲, 陳威霖, 吳楷毅(2017) 「玻璃纖維包覆加勁金屬螺紋管圍束混凝土行為研究」, 2017創新鋼構造耐震技術研討會, 9月29日, 台北市

- (96) 周中哲, 鍾秉庭, 凌郁婷, 鄭宇岑, 劉佳豪, 張盈智(2017) 「夾型挫屈束制斜撐與自復位斜撐構架設計與試驗:新竹廠房案例」, 2017 創新鋼構造耐震技術研討會, 9 月 29, 台北市
- (97) 周中哲, 吳松城(2017) 「高強度混凝土充填 SM570M 箱型鋼柱於高軸力下之耐震行為」, 2017 創新鋼構造耐震技術研討會, 9 月 29, 台北市
- (98) 周中哲(2017) 「預力組裝之鋼造建築抗震設計與實驗性能」, 第四屆全國金屬減震技術研討會及 2017 中國南通裝配式建築暨金屬減震產業發展人才峰會, 8 月 16-18 日, 南通, 中國(**Keynote Speaker**, in Chinese)
- (99) 周中哲, 鍾秉庭, 蔡文璟, 陳澤邦, 蕭佳宏(2016) 「自復位抗震斜撐系統發展:由 DC-SCB 與 SC-SBRB 至全尺寸二層樓構架實驗」, 第九屆全國防震減災工程學術研討會, 10 月 27-29 日, 合肥, 中國(**Keynote Speaker**, in Chinese)
- (100) 周中哲, 鍾秉庭, 凌郁婷 (2016) “Gold Medal”. Taiwan International Invention and Design Fair. 7 月 5~8 日, 高雄, 台灣(in Chinese)
- (101) 周中哲, 李中生, 陳威霖, 吳愷毅(2016) 「玻璃纖維包覆螺紋管圍束無箍筋之圓形橋柱剪力設計與試驗驗證」, 第十三屆結構工程研討會暨第三屆地震工程研討會, 8 月 24~26 日, 桃園, 台灣(in Chinese)
- (102) 周中哲, 蕭佳宏, 陳澤邦, 鍾秉庭, Pham D.H. (2016) 「兩層樓雙核心自復位斜撐及夾型挫屈束制斜撐實尺寸鋼構架耐震試驗」, 第十三屆結構工程研討會暨第三屆地震工程研討會, 8 月 24~26 日, 桃園, 台灣(in Chinese)
- (103) 周中哲, 曾冠霖, 凌郁婷(2016) 「新竹科學園區十層樓鋼構造標準廠房微振動長期監測及耐震能力評估」, 第十三屆結構工程研討會暨第三屆地震工程研討會, 8 月 24~26 日, 桃園, 台灣(in Chinese)
- (104) 周中哲, 鍾秉庭, 吳宗翰, Beato Ovalle Alexis Rafael (2015) 「鋼造雙核心自復位抗震斜撐發展:由斜撐構件至全尺寸一層樓構架試驗驗證」, 第八屆鋼結構抗震國際會議/中國研討會暨減隔震技術展覽會, 7 月 1~3 日, 上海, 中國。(Keynote Speech, in Chinese)
- (105) 周中哲, 鍾秉庭, 吳宗翰, 陳澤邦, 蕭佳宏, Pham D.H., Beato Ovalle Alexis Rafael. (2015) 「鋼造夾型挫屈束制斜撐及雙核心自復位斜撐構架耐震設計及實驗」, 3 月 20 日, 2015 臺灣鋼結構耐震工程會議, 台北, 台灣。(in Chinese)
- (106) 周中哲, 鍾秉庭(2014) 「鋼造交錨型雙核心自復位斜撐耐震技術發展與驗證:應用高強度鋼絞線為預力構件」, 第八屆海峽兩岸及香港鋼結構技術交流會, 11 月 6~7 日, 台北, 台灣。(in Chinese)
- (107) 周中哲, 鍾秉庭(2014) 「交錨型雙核心自復位斜撐發展驗證:耐震試驗及有限元素分析」, 第十二屆結構工程研討會暨第二屆地震工程研討會, 8 月 27~29 日, 高雄, 台灣。(in Chinese)
- (108) 李中生, 吳愷毅, 周中哲(2014) 「複合材料包覆鋼筋混凝土柱之力量-位移反應分析」, 第十二屆結構工程研討會暨第二屆地震工程研討會, 8 月 27~29 日, 高雄, 台灣。(in Chinese)



- (109) 周中哲, 鍾秉庭, 范庭海, 鄭宇岑, 陳映全 (2014) 「夾型挫屈束制斜撐及雙核心自復位斜撐減震技術發展與應用」, 第三屆海峽兩岸建築減震技術交流會議, 5 月 15 日, 臺北市, 臺灣。(in Chinese)
- (110) 吳愷毅, 李中生, 周中哲 (2014) 「都市建築物爆炸災害減災設計概念介紹」, 2014 第十二屆危機管理學術研討會, 5 月 9 日, 新竹市, 臺灣。(in Chinese)
- (111) 吳愷毅, 李中生, 周中哲 (2013) 「都市建築物爆炸減災策略與決策輔助」, 2013 臺灣災害管理研討會, 11 月 15 日, 臺北市, 臺灣。(in Chinese)
- (112) 周中哲, 劉德俞, 蔡佳恩, 曾冠霖, 林憲忠 (2013) 「結構微振動理論分析與高科技廠房實測」, 2013 新土木工程論壇: 結構微振動進展研討會, 7 月 19 日, 臺北市, 臺灣。(in Chinese)
- (113) 周中哲, 陳映全, 范庭海, 鍾秉庭, 張武明 (2013) 「鋼造雙核心自復位斜撐及核心更換型挫屈束制斜撐設計與耐震實驗」, 結構與大地工程耐震技術會議, 4 月 26 日, 臺北市, 臺灣。(in Chinese)
- (114) 周中哲, 陳映全 (2012) 「鋼造雙核心預力自復位斜撐發展與驗證: 耐震實驗與有限元素分析」, 第七屆海峽兩岸及香港鋼結構技術交流會暨第五屆結構工程新進展論壇, 11 月 22~24 日, 深圳, 中國。(in Chinese)
- (115) 周中哲, 陳映全 (2012) 「鋼造雙核心自復位斜撐發展與耐震實驗」, 中華民國第十一屆結構工程研討會暨第一屆地震工程研討會, 9 月 5~7 日, 台中, 台灣。(in Chinese)
- (116) 周中哲, 羅盛威 (2012) 「翼型鋼柱與鋼梁內加勁梁柱接頭耐震設計與行為」, 中華民國第十一屆結構工程研討會暨第一屆地震工程研討會, 9 月 5~7 日, 台中, 台灣。(in Chinese)
- (117) 周中哲, 陳逸 (2012) 「玻璃纖維橋面板與鋼梁剪力接合設計及實驗評估」, 中華民國第十一屆結構工程研討會暨第一屆地震工程研討會, 9 月 5~7 日, 台中, 台灣。(in Chinese)
- (118) 孫丕凡, 周中哲, 張國鎮, 葉芳耀, 宋裕祺, 劉楨業, 洪曉慧, 尹世洵, 邱毅宗 (2012) 「高分子複合材料翼型梁螺栓接合試驗」, 中華民國第十一屆結構工程研討會暨第一屆地震工程研討會, 9 月 5~7 日, 台中, 台灣。(in Chinese)
- (119) 邱毅宗, 尹世洵, 王俊穎, 宋裕祺, 林忠蔚, 張國鎮, 葉芳耀, 劉楨業, 周中哲, 洪曉慧, 潘威佑, 孫丕凡 (2012) 「複合材料輕量化便橋設計與分析」, 中華民國第十一屆結構工程研討會暨第一屆地震工程研討會, 9 月 5~7 日, 台中, 台灣。(in Chinese)
- (120) 周中哲, 陳映全 (2012) 「鋼造雙核心自復位斜撐發展與耐震實驗: 應用複合纖維材料棒為預力構件」, 第六屆全國防震減災工程學術研討會暨第二屆海峽兩岸地震工程青年學者研討會, 8 月 9~11 日, 哈爾濱, 中國。(in Chinese)
- (121) 周中哲, 劉佳豪 (2010) 「含消能斜撐構架效應之接合板耐震設計與試驗分析」, 鋼、組合及金屬結構技術研討會, 香港。(in Chinese)
- (122) 周中哲, 陳俊翰 (2010) 「預力預鑄自復位建築構架震動台試驗與耐震評估」, 第一屆地震工程海峽兩岸青年學者研討會, 台北。(in Chinese)

- (123) 周中哲, 劉佳豪(2010)「挫屈束制消能斜撐構架接合板耐震設計及試驗分析」, 第十屆中華民國結構工程研討會, 桃園。(in Chinese)
- (124) 周中哲, 陳俊翰(2010)「預力預鑄自復位建築構架發展與耐震行為」, 第一屆台大同濟土木工程研討會, 台北。(in Chinese)
- (125) 周中哲 (2010)「營建零污染開創優質生活環境」, 2010 世界公民人權高峰會, 台北。(in Chinese)
- (126) 周中哲, 蔡克銓, 汪永宇, 饒智凱(2009)「高雄市既存鋼造建築物梁柱接頭耐震補強設計及行為」, 第四屆全國防震減災工程學術研討會暨中日、海峽兩岸防震減災工程學術研討會, 中國土木工程學會、福州大學, 福州。(in Chinese)
- (127) 周中哲, 饒智凱(2008)「鋼造梁柱梁翼內側加勁板補強接頭耐震試驗及分析」, 第五屆海峽兩岸及香港鋼結構會議, 台北。(特邀報告) (in Chinese)
- (128) 周中哲, 陳俊翰(2008)「預力建築構架震動台試驗」, 2008 年國科會永續會防災科技研究計畫成果研討會, 台北。(in Chinese)
- (129) 周中哲, 蔡克銓, 汪永宇, 饒智凱(2008)「鋼造梁柱側板補強接頭耐震設計及實用案例」, 鋼結構耐震設計與分析研討會, 國家地震工程研究中心, 台北。(in Chinese)
- (130) 周中哲, 蔡克銓, 汪永宇, 饒智凱(2008)「鋼造梁柱側板補強接頭耐震設計及行為」, 中華民國第九屆結構工程研討會, 高雄市。(Session Organizer, in Chinese)
- (131) 周中哲, 許智堡(2007)「預力預鑄鋼管混凝土節塊橋柱勁度衰減旗幟模型發展及耐震行為」, 論文編號:A-096, 台灣混凝土學會 2007 年混凝土工程研討會, 台灣。(in Chinese)
- (132) 周中哲, 陳俊翰, 許協隆, 林昌駿, 林克強 (2007)「實尺寸預力建築構架耐震試驗」, 第四屆海峽兩岸結構與大地工程學術研討會, 浙江。(in Chinese)
- (133) 翁元滔, 周中哲, 陳沛清, 莊勝智, 汪永宇, 鄧凱文, 蔡克銓(2007)「高雄超高層建築改建結構耐震設計與性能評估應用實例」, 第四屆海峽兩岸結構與大地工程學術研討會, 浙江。(in Chinese)
- (134) 周中哲, 陳俊翰 (2006)「預力鋼梁與鋼筋混凝土柱自行復位接頭之耐震行為」, 中華民國第八屆結構工程研討會, 南投。(in Chinese)
- (135) 周中哲, 吳家慶(2006)「鋼造削切蓋板梁柱接頭之耐震性能」, 第四屆海峽兩岸及香港鋼結構會議, 上海。(特邀報告) (in Chinese)
- (136) 周中哲, 吳家慶(2004)「削切蓋板梁柱接頭之耐震性能」, 鋼管混凝土複合構造設計講習會, NCEE-04-016, 國家地震工程研究中心, 台北。(in Chinese)

## **研究報告(Research Report)**

- (1) 周中哲、鍾秉庭 (2017)「華邦電子竹北大樓夾型鋼骨挫屈束制消能支撐試驗成果報告」, 東鋼鋼結構股份有限公司, 2017/10/16, 國立臺灣大學地震工程研究中心。(in Chinese)

- (2) 黃俊翔(2017)「槓桿黏彈性制震壁之發展與實驗驗證及其在高科技廠房之應用評估」，碩士論文指導教授：周中哲，國立臺灣大學土木工程系(in Chinese)
- (3) 周中哲、紀宣臣、陳威霖(2017)「鋼骨鋼筋混凝土柱與鋼筋混凝土梁梁柱接頭研究計畫」報告，冠德建設股份有限公司，國立臺灣大學地震工程研究中心。(in Chinese)
- (4) 周中哲、陳威霖、鍾秉庭、趙廣上、紀宣臣(2017)「鋼板撓曲補強梁構件梁柱接頭試驗」報告，板橋浮洲合宜住宅 A2、A3 及 A6 區之補強構件實體試驗驗證，國立臺灣大學地震工程研究中心。(in Chinese)
- (5) 周中哲、鍾秉庭、陳威霖、趙廣上、紀宣臣(2017)「鋼框菱形斜撐補強試驗」報告，板橋浮洲合宜住宅 A2、A3 及 A6 區之補強構件實體試驗驗證，國立臺灣大學地震工程研究中心。(in Chinese)
- (6) 周中哲、鍾秉庭、陳威霖、趙廣上、紀宣臣(2017)「連梁剪力補強試驗」報告，板橋浮洲合宜住宅 A2、A3 及 A6 區之補強構件實體試驗驗證，國立臺灣大學地震工程研究中心。(in Chinese)
- (7) 周中哲、陳威霖、鍾秉庭、趙廣上、紀宣臣(2017)「鋼板剪力補強鋼筋混凝土簡支梁試驗」報告，板橋浮洲合宜住宅 A2、A3 及 A6 區之補強構件實體試驗驗證，國立臺灣大學地震工程研究中心。(in Chinese)
- (8) 周中哲、蕭佳宏、陳澤邦、鍾秉庭、Dinh-Hai Pham、陳映全 (2017)「自復位斜撐防震構架發展及實驗」3 年期期末報告，科技部計畫編號：**MOST 102-2221-E-002-101-MY3** (in Chinese)
- (9) 周中哲、凌郁婷、鍾秉庭、Dinh-Hai Pham (2016)「應用高性能鋼材之耐震構造技術研發—子計畫：應用高性能鋼材之雙核心自復位斜撐動態耐震試驗及分析(II)」，科技部計畫編號：**MOST 104-2625-M-002-028** (in Chinese)
- (10) 凌郁婷(2016)「雙核心自復位斜撐與夾型挫屈束制斜於高層建築之應用與評估：耐震實驗與地震歷時分析」，碩士論文指導教授：周中哲，國立臺灣大學土木工程系(in Chinese)
- (11) 陳威霖(2016)「玻璃纖維包覆螺紋管圍束鋼筋混凝土圓柱剪力設計與實驗驗證」，碩士論文指導教授：周中哲，李中生，國立台灣大學土木工程系。(in Chinese)
- (12) 吳愷毅(2015)「玻璃纖維包覆螺紋管圍束鋼筋混凝土柱耐震實驗」，碩士論文指導教授：周中哲，李中生，國立台灣大學土木工程系。(in Chinese)
- (13) 吳松城(2015)「高強度混凝土充填箱型鋼柱於大軸力下之耐震行為」，碩士論文指導教授：周中哲，國立台灣大學土木工程系。(in Chinese)
- (14) 陳澤邦(2015)「鋼造實尺寸二層樓雙核心自復位斜撐構架耐震試驗與有限元素分析」，碩士論文指導教授：周中哲，國立台灣大學土木工程系。(in Chinese)
- (15) 蕭佳宏(2015)「雙核心自復位斜撐與夾型挫屈束制斜撐對構架影響：耐震實驗與動力分析」，碩士論文指導教授：周中哲，國立台灣大學土木工程系。(in Chinese)
- (16) 周中哲，吳松城(2015)「高強度鋼柱及複合柱耐震行為研究」，科技部計畫編號：**MOST 103-2625-M-002-012**，科技部專題研究計畫(in Chinese)
- (17) 周中哲，蔡文環(2015)「受震自復位結構之研究—子計畫：自復位斜撐構架耐震行為研究—雙核心自復位挫屈束制斜撐(II)」，科技部計畫編號：**MOST 102-2625-M-002-002**，科技部專題研究計畫(in Chinese)

- (18) 李中生，周中哲，譚皓祥，吳愷毅(2015)「建築物之抗爆能力評估技術研究(II) - 複合材料管圍束混凝土柱之抗爆函數實驗」，科技部計畫編號：**MOST 102-2221-E-865-001**，科技部專題研究計畫(in Chinese)
- (19) 周中哲，吳宗翰，Alexis Rafael Ovalle Beato，鍾秉庭，陳映全，周志雄 (2014)「新型鋼造雙核心自復位斜撐構架耐震設計與試驗」，科技部計畫編號：**NCREE 14-029**，國家地震工程研究中心。(in Chinese)
- (20) 周中哲，譚皓祥(2014)「FRP 冷卻水塔結構載重分析研究」，臺灣大學工學院地震工程研究中心。(in Chinese)
- (21) 蔡文璟(2014)「交錯型雙核心自復位夾型挫屈束制斜撐發展及試驗驗證」，碩士論文指導教授：周中哲，國立台灣大學土木工程系。(in Chinese)
- (22) 吳宗翰(2014)「新型鋼造雙核心自復位斜撐構架設計與耐震試驗行為」，碩士論文指導教授：周中哲，國立台灣大學土木工程系。(in Chinese)
- (23) Alexis Rafael Ovalle Beato (2014)「新型鋼造一層樓雙核心自復位斜撐構架實驗與分析：含梁柱構架及斜撐軸向效應影響之接合板設計」，碩士論文指導教授：周中哲，國立台灣大學土木工程系。(in Chinese)
- (24) 譚皓祥(2014)「玻璃纖維加勁金屬螺紋管包覆混凝土柱之軸壓試驗與力學行為研究」，碩士論文指導教授：周中哲，李中生，國立台灣大學土木工程系。(in Chinese)
- (25) 黎柏定(2014)「含鋼筋混凝土之半剛接鋼構架耐震分析」，碩士論文指導教授：周中哲，國立台灣大學土木工程系。(in Chinese)
- (26) 鄭宇岑(2014)「大型雙核心自復位斜撐及核心更換型挫屈束制斜撐反覆載重試驗研究」，碩士論文指導教授：周中哲，國立台灣大學土木工程系。(in Chinese)
- (27) 周中哲，王銘傳(2014)「鋼及玻璃纖維橋面隔柵板試驗研究」，科技部計畫編號：**NCREE 14-004**，國家地震工程研究中心。(in Chinese)
- (28) 李中生，周中哲，吳愷毅(2013)「都市建築物之抗爆能力評估技術研究」，科技部計畫編號：**NSC 101-2218-E-492-003**，行政院國家科學委員會。(in Chinese)
- (29) 周中哲，蔡佳恩，曾冠霖，林憲忠(2013)「中央研究院跨領域科技研究大樓核心平台振動量測」，期末報告(根基營造股份有限公司委託)，國家地震工程研究中心。(in Chinese)
- (30) 蔡佳恩(2013)「精密儀器之石英砂隔振平台微振動特性研究」，碩士論文指導教授：周中哲，國立台灣大學土木工程系。(in Chinese)
- (31) 王銘傳(2013)「鋼及玻璃纖維橋面格柵板力學行為及試驗研究」，碩士論文指導教授：周中哲，國立台灣大學土木工程系。(in Chinese)
- (32) 周中哲，鍾秉庭(2012)「自復位斜撐構架耐震行為研究(I)」，計畫編號：**NSC 100-2625-M-002-012**，行政院國家科學委員會。(in Chinese)
- (33) 鍾秉庭(2012)「交錯型雙核心自復位斜撐及核心更換型挫屈束制斜撐之耐震行為」，碩士論文指導教授：周中哲，國立台灣大學土木工程系。(in Chinese)
- (34) 孫丕凡(2012)「高分子複合材料翼型梁螺栓接合試驗」，碩士論文指導教授：周中哲，國立台灣大學土木工程系。(in Chinese)
- (35) 範菽賢(2012)「應用 SAP2000 程式分析自復位斜撐構架與挫屈束制斜撐構架之耐震行為」，碩士論文指導教授：周中哲，國立台灣大學土木工程系。(in Chinese)
- (36) 羅盛威(2012)「翼型鋼柱與鋼梁加勁式接頭耐震行為」，碩士論文指導教授：劉俊秀，周中哲，國立交通大學土木工程學系。(in Chinese)

- (37) 周中哲，陳映全(2011)「預力自復位消能斜撐耐震試驗」，計畫編號：**NSC 99-2625-M-002-016**，行政院國家科學委員會。(in Chinese)
- (38) 范廷海(2011)「挫屈束制消能支撐構架與自復位斜撐構架之耐震行為」，碩士論文指導教授：周中哲，國立台灣大學土木工程系。(in Chinese)
- (39) 陳逸(2011)「玻璃纖維橋面板與鋼梁接合行為研究」，碩士論文指導教授：周中哲，國立台灣大學土木工程系。(in Chinese)
- (40) 陳映全(2011)「雙核心自復位消能斜撐之發展與驗證」，碩士論文指導教授：周中哲，國立台灣大學土木工程系。(in Chinese)
- (41) 張武明(2011)「梁跨徑對斜撐構架耐震行為影響」，碩士論文指導教授：周中哲，國立台灣大學土木工程系。(in Chinese)
- (42) 劉佳豪(2010)「挫屈束制消能支撐構架梁柱效應對接合板耐震行為研究」，碩士論文指導教授：周中哲，國立台灣大學土木工程系。(in Chinese)
- (43) 陳俊名(2010)「模態側推分析應用於預力自復為鋼構架系統之耐震能力評估」，碩士論文指導教授：周中哲，國立台灣大學土木工程系。(in Chinese)
- (44) 周中哲，劉佳豪(2010)「消能支撐構架梁柱變形對接合板挫屈強度行為研究」，計畫編號：**NSC98-2625-M-002-017**，行政院國家科學委員會。(in Chinese)
- (45) 周中哲，游鈞棋(2010)「斜撐雙接合板耐震試驗研究」，計畫編號：**NSC 97-2625-M-002 - 020**，行政院國家科學委員會。(in Chinese)
- (46) 周中哲，陳俊名，羅盛威(2009)「鋼造梁柱外加勁補強接頭有限元素分析」，期末報告，國立台灣大學嚴慶齡工業發展基金會(東建工程顧問有限公司委託)。(in Chinese)
- (47) 張浩然(2009)「消能鋼筋對預力預鑄混凝土節塊橋柱之耐震行為影響」，碩士論文指導教授：周中哲，國立交通大學土木工程學系。(in Chinese)
- (48) 周中哲，陳俊翰(2009)「預力建築鋼構架性能設計法研究」，計畫編號：**NSC 96-2221-E-002-322**，行政院國家科學委員會。(in Chinese)
- (49) 陳昇陽(2008)「可更換核心板之挫屈束制消能支撐耐震實驗與有限元素分析」，碩士論文指導教授：周中哲，國立交通大學土木工程學系。(in Chinese)
- (50) 周中哲，羅盛威，陳俊翰(2008)「鋼骨擴翼梁柱補強接頭柱內橫隔板應力分析」，分析結果報告，國立交通大學土木工程學系(東建工程顧問有限公司委託)。(in Chinese)
- (51) 周中哲，陳俊翰(2007)「預力鋼梁與鋼管混凝土柱抗彎構架震動台試驗與分析」，計畫編號：**NSC 95-2625-Z-009-004**，行政院國家科學委員會。(in Chinese)
- (52) 周中哲，饒智凱(2007)「鋼骨梁柱側板補強接頭耐震設計及行為」，報告編號 0701，國立交通大學土木工程學系。(in Chinese)
- (53) 饒智凱(2007)「鋼骨梁柱梁翼內側加勁補強接頭之耐震行為研究」，碩士論文指導教授：周中哲，國立交通大學土木工程學系。(in Chinese)
- (54) 賴郁仁(2006)「含挫屈束制鋼板消能器之預力抗彎接頭耐震性能」，碩士論文指導教授：周中哲，國立交通大學土木工程學系。(in Chinese)

- (55) 許智堡(2006)「預力預鑄節塊橋柱之遲滯模型與地震作用下之反應」，碩士論文指導教授：周中哲，國立交通大學土木工程學系。(in Chinese)
- (56) 王昱棋(2006)「含混凝土樓版之預力抗彎接頭反覆載重行為」，碩士論文指導教授：周中哲，國立交通大學土木工程學系。(in Chinese)
- (57) 林錦隆(2006)「鋼造含摩擦型消能裝置預力梁柱接頭之耐震行為研究」，碩士論文指導教授：蔡克銓及周中哲，國立台灣大學土木工程學系。(in Chinese)
- (58) 周中哲，賴郁仁，王昱棋，許智堡 (2006)「高雄京城凱悅案鋼骨梁柱接頭補強試驗」，鋼骨梁柱接頭試驗結果報告，國立交通大學土木工程學系(長青結構土木技師事務所委託)。(in Chinese)
- (59) 周中哲，陳俊翰 (2005)「含削切式消能鋼板之預力鋼梁與鋼筋混凝土內柱接合之耐震試驗研究」，計畫編號：**NSC 93-2625-Z-009-003**，行政院國家科學委員會。(in Chinese)
- (60) 周中哲，吳家慶，周志雄(2005)「削切蓋板鋼骨梁柱接頭之耐震行為研究」，報告編號：**NCREE-05-017**，國家地震工程研究中心。(in Chinese)
- (61) 陳沛均 (2005)「鋼骨斜撐系統之接合板壓力強度參數研究與設計方法」，碩士論文指導教授：周中哲，國立交通大學土木工程學系。(in Chinese)
- (62) 吳家慶 (2005)「削切蓋板鋼骨梁柱接頭之耐震行為研究」，碩士論文指導教授：周中哲，國立交通大學土木工程學系。(in Chinese)
- (63) 陳俊翰 (2005)「預力鋼梁與鋼筋混凝土柱自行復位接頭之耐震行為研究」，碩士論文指導教授：周中哲，國立交通大學土木工程學系。(in Chinese)
- (64) 蔡克銓，周中哲，楊文嘉 (2005)「鋼造預力接頭梁柱行為研究」，**NCREE-05-015**，國家地震工程研究中心。(in Chinese)
- (65) 陳鈺智 (2004)「預鑄鋼管混凝土節塊橋柱之耐震行為研究」，碩士論文指導教授：周中哲，國立交通大學土木工程學系。(in Chinese)
- (66) Chou, C. C., Seible, F. and Karbhari, V. (2003). "Blast Testing of Orthotropic Steel Deck for The New San Francisco-Oakland Bay Bridge." *Classified Report*. University of California, San Diego, La Jolla, CA.
- (67) Chou, C. C., Uang, C. M., and Seible F. (2003). "Compression Testing of Orthotropic Steel Deck for The New San Francisco-Oakland Bay Self Anchored Suspension Bridge." Report No. **SSRP-2002/12**. University of California, San Diego, La Jolla, CA.
- (68) Hines, E. M., Dazio, A., Chou, C. C., and Seible F. (2002). "Structural Testing of The San Francisco-Oakland Bay Bridge East Span Skyway Piers." Report No. **SSRP-2002/01**. University of California, San Diego, La Jolla, CA.
- (69) Chou, C. C. and Uang, C. M. (2001). "Experimental and Analytical Studies of Two Types of Moment Connections for Composite Special Moment Frames." Report No. **SSRP-98/12**. University of California, San Diego, La Jolla, CA.
- (70) Chou, C. C. (2001). "An Energy-Based Seismic Evaluation Procedure for Moment-Resisting Frames." *Ph.D. Dissertation*, Department of Structural Engineering, University of California, San Diego, La Jolla, CA.

- (71) Uang, C. M., Elgamal, A., Li, W. S. and Chou, C. C. (2000). “Ji-Ji, Taiwan Earthquake of September 21, 1999: Performance Evaluation of Buildings and Bridges.” Report No. **SSRP-99/17**, Department of Structural Engineering, University of California, San Diego, La Jolla, CA.
- (72) Chou, C. C. and Uang, C. M. (1999). “An Evaluation of Seismic Energy Demand: An Attenuation Approach.” Report No. **SSRP-99/14**. Department of Structural Engineering, University of California, San Diego, La Jolla, CA.
- (73) Tsai, K. C. and Chou, C. C. (1994). “Plasticity Models for Steel Triangular Plate Energy Absorbers.” Report No. **CERR R83-04**. Center for Earthquake Engineering Research, National Taiwan University, Taiwan.

## 學術專書

- (1) 周中哲，陳芷琳 主編 (2017) 「2017 創新鋼構造耐震技術研討會」，ISBN 978-986-05-3678-2，國立臺灣大學地震工程研究中心出版。
- (2) 中華民國結構工程學會/中國土木水利工程學會等 (2015) 「鋼造建築耐震設計技術手冊」，編審召集人：周中哲，ISBN 978-957-655-530-5，科技圖書出版. (in Chinese)
- (3) 中華民國結構工程學會/中國土木水利工程學會等 (2015) 「鋼造橋梁設計技術手冊」，編審召集人：周中哲，ISBN 978-957-655-531-2，科技圖書出版. (in Chinese)
- (4) 周中哲 專輯客座主編 (2015) 「鋼結構創新與挑戰專輯」，土木水利，Vol. 42, No. 2，ISSN 0253-3804，中國土木水利工程學會出版. (in Chinese)
- (5) 周中哲，陳澤邦，蕭佳宏，鍾秉庭 主編 (2015) 「2015 Taiwan Seminar on Earthquake Resistant Steel Structures」，2015 TSERSS，ISBN 978-986-04-4477-3，臺灣大學地震工程研究中心出版. (in Chinese)
- (6) 周中哲，鍾秉庭，曾冠霖 主編 (2014) 「Proceedings of the Third Cross-Strait Seminar on Earthquake-Resistant Technology for Buildings」，ISBN 978-986-04-1316-8，臺灣大學地震工程研究中心出版. (in Chinese)
- (7) 周中哲，吳松城，吳凱毅 主編 (2014) 「Proceedings of the New San Francisco Oakland Bay Bridge and Taipei SheZi Bridge Seminar」，ISBN 978-986-04-0238-4，臺灣大學地震工程研究中心出版. (in English and Chinese)
- (8) 中華民國結構工程學會/中華民國地震工程學會等 (2013) 「鋼構造梁柱抗彎接合設計手冊與參考圖」，編審召集人：周中哲，ISBN 978-957-655-521-3，科技圖書出版. (in Chinese)
- (9) 周中哲，劉德俞，曾冠霖主編 (2013) 「Proceedings of the 15th Korea-Japan-Taiwan Joint Seminar on Earthquake Engineering for Building Structures」，ISBN 978-986-03-9090-2，臺灣大學地震工程研究中心出版. (in English)
- (10) 周中哲 主編 (2013) 「2013 結構與大地工程耐震技術會議論文集」，ISBN 978-986-03-6598-6，臺灣大學地震工程研究中心出版. (in Chinese)
- (11) 周中哲，劉德俞 主編 (2013) 「2013 新土木工程論壇：結構微振動進展研討會」，臺灣大學地震工程研究中心出版. (in Chinese)

- (12) 周中哲，洪曉慧 主編 (2011) 「Proceedings of the third Asia-Pacific Young Researchers and Graduates Symposium-Advance in Structural Engineering」，ISBN 978-986-85281-5-4，國家實驗研究院國家地震工程研究中心出版 (in English)

## 中華民國及國外專利

- (1) Chou, C. C., Lee, C. S., Tan, H. H., Wu, K.Y. (2017). FRP Composite Wrapped Grooved-Wall Lining Tubular Structure, and Method of Manufacturing. USA 發明專利 (US 9566748 B2, accepted on 2/14/2017)
- (2) 周中哲，李中生，譚皓祥，吳愷毅(2017) 「用於支撐結構的複合管及其製法」，中國發明專利審核中(案號 201410066541.4, accepted on December 8, 2017 **審核通過**)
- (3) 周中哲，曾冠霖，陳永祥，張陸滿 (2016) 「槓桿粘彈制震壁」，日本發明專利 (Japanese Patent, 特願 2014-147714, accepted on May 31, 2016)
- (4) Chou C-C, Tsuang S, Chen Y-H, Chang L-M (2016). Lever Viscoelastic Damping Wall Assembly. 紐西蘭發明專利 (New Zealand Patent No. 628246, accepted on Feb, 2016)
- (5) Chou C-C, Tsuang S, Chen Y-H, Chang L-M (2016). Lever Viscoelastic Damping Wall Assembly，美國發明專利(USA patent No. US9316014 B2, accepted on April 19, 2016)
- (6) 周中哲，鍾秉庭，蕭佳宏 (2015) 「具檢驗功能之夾型鋼骨挫屈束制消能支撐裝置」，中華民國新型專利 M494185
- (7) 周中哲，曾冠霖，陳永祥，張陸滿(2014) 「制震裝置」，中國發明專利審核通過(案號 TW103101846，國立臺灣大學申請)
- (8) 周中哲，曾冠霖，陳永祥，張陸滿(2017) 「制震裝置」，發明 I571550，中華民國發明專利
- (9) 周中哲，李中生，譚皓祥，吳愷毅(2013) 「用於支撐結構的複合管及其製法」，中華民國發明專利審核中(案號 102145218)
- (10) 周中哲，鍾秉庭，蔡文璟(2013). 「雙核心預力拉伸自復位挫屈束制斜撐減震裝置」，中華民國發明專利審核中(案號 102107173)。
- (11) 周中哲，鍾秉庭，蔡文璟(2016). 「雙核心預力拉伸自復位挫屈束制斜撐減震裝置」，中國發明專利號 CN104018593 B。
- (12) Chou, C. C., Chung, P. T., Tsai, W. J. (2014). Dual-Core Self-Centering Buckling-Restrained Brace. **No. US 8763320 B1**，美國發明專利。
- (13) Chou, C. C., Chen, Y. C., Chung, P. T. (2014). Dual-Core Self-Centering Energy Dissipation Brace Apparatus. **Patent No. 5511731**，日本發明專利。
- (14) 周中哲，陳映全，鍾秉庭(2014) 「雙核心預力拉伸自復位消能支撐裝置」，中華民國發明，I454608 (財團法人國家實驗研究院申請)
- (15) 周中哲，陳映全，鍾秉庭(2014) 「雙核心預力拉伸自復位消能支撐裝置」，**102587528B** 中國發明專利。
- (16) Chou, C. C., Chen, Y. C., Chung, P. T. (2012). Dual-Core Self-Centering Energy Dissipation Brace Apparatus. **No. US 8316589 B2**，美國發明專利。
- (17) 周中哲，陳映全(2014) 「雙變形能力之自復位消能支撐裝置」，中華民國發明專利 **I432628**(國立臺灣大學研發處)
- (18) 周中哲、曾冠霖、許育銓、林憲忠、張陸滿 (2014) 「含自回歸分析模型的振動監測警報方法」，中華民國專利：06A-140952



- (19) 周中哲，陳昇陽(2011)「鋼骨混凝土夾型挫屈束制消能支撐裝置」，中華民國發明專利審核通過(案號 096145283, 2011/2/24 予以專利)
- (20) 周中哲，汪永宇，饒智凱，蔡克銓，劉伯武(2008)「韌性鋼骨梁柱梁翼側板加勁接頭」，中華民國發明專利，發明第 I 300814 號。
- (21) 周中哲，陳昇陽(2008)「組合式鋼骨挫屈束制消能支撐裝置」，中華民國專利，新型第 M 324687 號。
- (22) 周中哲，饒智凱 (2007)「鋼骨梁柱梁翼內側加勁補強接頭」，中華民國專利，新型第 M 314771 號。
- (23) 周中哲，陳俊翰，賴郁仁 (2006)「H 型鋼骨梁柱接合消能裝置」，中華民國專利，新型第 M 287835 號。
- (24) 周中哲，饒智凱 (2006)「鋼骨梁柱補強接頭」，中華民國專利，新型第 M 289788 號。
- (25) 周中哲，賴郁仁，許智堡(2006)「夾合式鋼板消能裝置」，中華民國專利，新型第 M290575 號。
- (26) 周中哲 (2006)「削切型鋼板接合裝置」，中華民國專利，新型第 M 290516 號。
- (27) 周中哲 (2006)「摩擦型鋼骨消能支撐裝置」，中華民國專利，新型第 M 296271 號。
- (28) 周中哲，吳家慶，陳鈺智，陳俊翰(2005)「削切型鋼板梁柱接合消能裝置」，中華民國專利，新型第 M257383 號。
- (29) 周中哲，陳俊翰，賴郁仁 (2005)「斜撐型鋼骨梁柱接合消能裝置」，中華民國專利，新型 M 270214 號。
- (30) 周中哲，陳鈺智 (2005)「預力預鑄鋼管混凝土節塊橋柱」，中華民國專利，新型第 M 274384 號。
- (31) 周中哲(2005)「拆解式夾型鋼骨挫屈束制消能支撐裝置」，中華民國專利，新型第 M 275237 號。