周中哲 履歷

一、基本資料			
姓名	周中哲 (Chou C. C.)	性別	■男 □女
所屬學院	臺灣大學工學院/土木工程系	職稱	教授
E-mail	cechou@ntu.edu.tw	聯絡電話	0910230270
學歷 專長	美國加州大學聖地亞哥分校（UCSD）結構工程博士 (2001/1) 國立臺灣大學土木工程系碩士 (1994/6) / 國立臺灣大學土木工程系學士 (1992/6) 研究專長:地震工程、鋼結構、自復位結構、複合結構、大型結構耐震試驗及分析		

經歷	服務單位	專/兼	職稱	起迄年月
	國家地震工程研究中心	專任	主任	2021/8-迄今
	國家災害防救科技中心	兼任	地人組領域召集人	2021/8-迄今
	臺大土木系	專任	教授	2011/8-迄今
	中華民國結構工程學會	兼任	理事長	2020/1-迄今
	中華民國地震工程學會	兼任	理事	2011/12-迄今
	中華民國結構工程學會	兼任	理事	2011/12-迄今
	臺大工學院	兼任	副院長	2017/8-2021/7
	國家地震工程研究中心	兼任	建物組領域召集人	2020/2-2021/5
	科技部	兼任	自然司複審委員	2017/1-2020/12
	國家地震工程研究中心	兼任	建物組組長	2017/2-2020/1
	科技部	兼任	工程司複審委員	2014/1-2016/12
	臺大地震工程研究中心	兼任	主任	2012/8- 2018/7
	臺大土木系	專任	副教授	2008/8-2011/7
	交通大學	專任	副教授	2006/8-2008/7
	交通大學	兼任	代理總務長	2007/2-2007/7
	交通大學	兼任	副總務長	2007/2-2008/7
	交通大學	專任	助理教授	2003/2-2006/7
	美國加州大學聖地亞哥分校	專任	助理科學研究員	2001/2-2003/1
	大陸工程公司	專任	工程司	1995/1-1996/7

研究獎勵名稱	主辦單位及獲獎年度
科技部傑出技術移轉貢獻獎	科技部 (2021)
科技部未來科技獎	科技部 (2020)
臺灣十大傑出發明家及國際傑出發明家終生成就獎	臺灣創新發明聯合總會 (2020)
Outstanding Reviewer for Engineering Structures (SCI)	(SCI Ranking: 19/134=14%、2019、2017)
台灣創新技術博覽會傑出發明館技術	經濟部 (2019)
國家發明創作獎 發明金牌獎	經濟部 (2018)
臺灣國際創新發明暨設計競賽 金牌獎	臺灣知識創新學會 (2018)
韓國首爾國際發明展 金牌獎及特別獎	Korean Intellectual Property (2017)
第12屆台北國際發明暨技術交易展 金牌獎	經濟部、國防部、教育部等 (2016)
臺灣國際創新發明暨設計競賽 金牌獎	教育部技職司 (2016)
第 11 屆台北國際發明暨技術交易展最高榮譽 鉑金獎	經濟部、國防部、教育部等 (2015)
第 4 屆、5 屆、10 屆徵文比賽最佳論著獎 (3 次)	中華民國鋼結構協會(2014/15/2020)
論文比賽產品創新競賽組 特優獎	中華民國尖端材料技協會 (2017)
結構工程論著獎（2 次）	中華民國結構工程學會 (2016/2021)
科技部優秀年輕學者計畫獎勵 (2 次共四年期)	科技部 (2012-2016)
抗震盃國際邀請賽佳作及耐震獎	國家實驗研究院 (2012)
土木水利工程論著獎	中國土木水利工程學會 (2011)
第 7 屆日台韓建物地震工程最佳論著獎	Japan-Taiwan-Korea Joint Seminar (2005)

本人長期從事鋼造結構物抗震防災研究，在美參加新舊金山奧克蘭大橋研發及實驗工作(2001-2003)，2003 年返台任教於陽明交通大學，2008 年起在台大任教，2017 年起擔任科技部整合型計劃總主持人:包含高性能鋼材應用於結構性能提升技術研發(2017-2020)、新世代鋼結構耐震性能提升設計研發及驗證(2020-迄今)，參與的教師來自成功大學、陽明交通大學、中央大學、聯合大學、高雄大學、高雄科技大學、台灣科技大學、國家地震工程研究中心等，參與規範修訂，自 2021 年 1 月起受內政部建築研究所委託擔任「鋼骨鋼筋混凝土構造設計規範」修訂計畫主持人，針對近年來國內外鋼與混凝土複合構造研究成果進行國內規範修訂，提升建築物耐震能力。近年來研究課題有:自復位斜撐、夾型挫屈束制斜撐、鋼骨柱、複合柱與風機鋼管柱、板橋浮洲合宜宅高樓補強及高科技廠房抗震研發等，已發表(及審查中)112 篇國內外期刊、173 篇國內外研討會文章、117 本專書報告、33 項國內外專利、8 件研發技術(科技部計畫研發成果)移轉至工程界(授權金額共: 1 仟 415 萬元)，近 10 年主持(或共同主持)36 項計畫(金額共: 1 億 504 萬元)。

期刊文章(Journal Paper)

* corresponding author

(1) Lin, T. H., Chou, C. C.* (2021). "High-Strength Steel Deep H-Shaped and Box Columns under Proposed Near-Fault and Post-Earthquake Loadings." ***Thin-Walled Structures*** (15/134=11%, 5-Year IF= 4.108, IF=4.033, SCI, EI, TWST-D-21-01060 in re-viewing)

(2) Chung, P-T, Chou, C. C.* (2021). "One-Sided Shear Retrofit of Reinforced Concrete Beams in Existing High-Rise Buildings," ***Engineering Structures*** (accepted for publication, 19/134=14%, 5-Year IF= 3.775, IF=3.548, SCI, EI**)**

(3) Chung, P-T, Chou, C. C.*, Ling, Y-T (2021). "Mechanics, Modeling and Seismic Behavior of a Dual-Core Self-Centering Brace in Series with a Frictional Gusset Connection." ***Engineering Structures***, 247, 113018 (19/134=14%, 5-Year IF= 3.775, IF=3.548, SCI, EI**)**

(4) Chou, C. C.*, Kuo, M. C. (2021). "Cyclic Flexural Test and Loading Protocol for Steel Wind Turbine Tower Columns." ***Thin-Walled Structures*** (15/134=11%, 5-Year IF= 4.108, IF=4.033, SCI, EI **in re-reviewing)**

(5) Pham, D. H., Chou, C. C.* (2020). "Strong-Axis Instability of Sandwiched Buckling Restrained Braces in a Steel Two-Story X-BRBF: Seismic Tests and Finite Element Analyses. ***Thin-Walled Structures***, 157, 107011 (15/134=11%, 5-Year IF= 4.108, IF=4.033, SCI, EI**)**

(6) Chou, C. C.*, Chen, G. W. (2020). "Lateral Cyclic Testing and Backbone Curve Development of High-Strength Steel Built-Up Box Columns Under Axial Compression. ***Engineering Structures*** 223, 111147 (19/134=14%, 5-Year IF= 3.775, IF=3.548, SCI, EI**)**

(7) Chou, C. C.*, Tseng, W. H., Huang, C. H., Tsuang, S., Chang, L. M., Chen, Y. H. (2020). "A Novel Steel Lever Viscoelastic Wall with Amplified Damper Force-Friction for Wind and Seismic Resistance. ***Engineering Structures***, 210, 110362 (19/134=14%, 5-Year IF= 3.775, IF=3.548, SCI, EI, **2018 臺灣國際創新發明暨設計競賽金牌獎，臺灣知識創新學會及國立臺南大學所主辦)**

(8) Pham, D. H., Chou, C. C.* (2020). "Test of a Full-Scale Two-Story Steel X-BRBF: Strong-Axis Instability of Buckling Restrained Brace Associated With Out-of-Plane Bending of Gusset Connections". Lecture Notes in Civil Engineering book series, Vol. 80, J. N. Reddy et al: ICSCEA 2019, 978-981-15-5143-7, 483332_1_En (32), Springer Nature Singapore Pte Ltd. (**Invited Lecture Note**)

(9) Chou, C. C.*, Hsiao, C. H, Chen, Z. B, Chung, P. T, Pham, D. H. (2019). "Seismic Loading Tests of Full-scale Two-story Steel Building Frames with Self-centering Braces and Buckling-restrained Braces. ***Thin-Walled Structures***, 140, 168-181. (18/132, 5-Year IF= 3.583, IF=3.488, SCI, EI, **2019 台灣創新技術博覽會傑出發明館(經濟部智慧財產局主辦),** Times Cited =10)

(10) Chou, C. C.*, Wu S. C. (2019). "Cyclic Lateral Load Test and Finite Element Analysis of High-strength Concrete-filled Steel Box Columns under High Axial Compression. ***Engineering Structures,*** 189(15), 89-99. (24/132, 5-Year IF= 3.345, IF=3.084, SCI, EI, Times Cited =12)

(11) Chou, C. C.*, Beato Ovalle, R.A. (2018). "Gusset Design Considering Buckling Forces in Frame and Brace Action Directions: Test and Finite Element Analysis of a Self-Centering Braced Frame

for Verification" ***Engineering Structures,*** 173, 643-655. (5-Year IF= 3.345, IF=3.084, SCI, EI Times Cited =4)

(12) Chou, C. C.*, Lee, C. S., Wu, K. Y., Chin, V. L. (2018). "Development and Validation of a FRP-Wrapped Spiral Corrugated Tube for Seismic Performance of Circular Concrete Columns" ***Construction and Building Materials***, 170, 498-511 (9/132, 5-Year IF=4.685, IF=4.046, SCI, EI) **(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,**Times Cited =6**)**

(13) Wang, J. F.*, Li, B. B., Chou, C. C., Chen, L, (2018). "Cyclic Experimental and Analytical Studies of Buckling-Restrained Braces with Various Gusset Connections". ***Engineering Structures,*** 163, 38-50. (22/132, 5-Year IF= 3.345, IF=3.084, SCI, EI, Times Cited =10)

(14) 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. (22/132, 5-Year IF= 3.345, SCI, EI, Times Cited =41 (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)**

(15) 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 **(**90/132, SCI, EI, IF=1.272, **Invited Paper,** Times Cited =5**).**

(16) 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. (5-Year IF= 3.345, IF=3.084, SCI, EI, Times Cited =34)

(17) 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 (5-Year IF= 3.060, IF=2.755, 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,**Times Cited =38**)**

(18) 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, Times Cited =6)

(19) 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, 2018 經濟部國家發明創新金牌獎,**Times Cited =41 (Google))

(20) 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, Times Cited =11)

(21) 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, Times Cited =56 (Google) **2015 台北國際發明暨技術交易展鉑金獎, 2018 經濟部國家發明創新金牌獎**)

(22) 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=18/132, 5-Year IF= 3.345, IF=3.084, ENGINEERING, CIVIL, SCI, EI, Times Cited=65)

(23) 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)**

(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" ***Applied Mechanics and Materials,*** 353-356**,** 1946-1958, August **(EI, Invited Paper,** Times Cited=1**).**

(25) 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, Times Cited=4)

(26) 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, Times Cited=1)

(27) 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=54)

(28) 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=37).

(29) 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=34/132, 5-Year Impact Factor=3.062, Impact Factor=2.65, ENGINEERING, CIVIL, SCI, EI, Times Cited=28)

(30) 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=18/132, Impact Factor=3.419, 5-year Impact Factor=4.122, ENGINEERING, GEOLOGICAL, SCI, EI, Times Cited=86)

(31) 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).**

(32) 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=45)

(33) 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=41).

(34) 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=66).

(35) 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** Times Cited=3**).**

(36) 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=18).

(37) 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=37)

(38) Chou, C. C.*, Chen, S. Y. (2010). "Subassemblage 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= 240).

(39) 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=45)

(40) 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, Times Cited=37, **Most-Accessed Papers from 2010 on EESD Website**)

(41) 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=56)

(42) 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=57)

(43) 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=52)

(44) 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, Times Cited=1)

(45) 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=50)

(46) 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=50)

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(6) Pham, D. H. and Chou, C. C. (2019). Test of a Full-Scale Two-Story Steel X-BRBF: Strong-Axis Instability of Buckling Restrained Brace Associated with Out of-Plane Bending of Gusset Connection. ***Proceedings of the International Conference on Sustainable Civil Engineering and Architecture,*** October 24-26, Ho Chi Minh, Vietnam.

(7) Chou, C.C., Lin, T. H., Xiong, H. C., Lai, Y. C., Uang, C. M., El-Tawil, S., McCormick, J. P., Mosqueda G. (2019). "US-Taiwan Collaborative Research on Steel Columns: Cyclic Lateral Testing of Two-Story Subassemblages", ***NRC-MOST/NCREE Taiwan Workshop on Earthquake Engineering Technologies***, 7-8 October 7-8, Ottawa, Canada. **(Invited Speaker)**

(8) Chou, C. C., Lin, T. H., Xiong, H. C., Lai, Y. C., Uang, C. M., El-Tawil, S., McCormick, J. P., Mosqueda G. (2019). "US-Taiwan Collaborative Research on Steel Columns: Cyclic Testing of Two-Story Subassemblages", ***International Conference in Commemoration of 20th Anniversary of the 1999 Chi-Chi Earthquake***. Taiwan. Sep. 15-19.

(9) Chou, C. C., Chung, P. T., Ling, Y. T., Huang, C. H., Tseng, W. H., Tsuang, S., Chang, L. M., Chen, Y. H. (2019). "Development and Validation of Seismic-Resisting Dampers: Buckling-Restrained Brace, Self-Centering Brace and Lever Viscoelastic Wall Device", ***International Conference in Commemoration of 20th Anniversary of the 1999 Chi-Chi Earthquake***. Taiwan. Sep. 15-19.

(10) Lin T. H., Chou, C. C., Chen, G. W. (2019). "A Seven-Story Steel Braced Frame under Far-Field and Near-Fault Earthquakes: Loading Protocol and Seismic Test of High-Strength Steel H-Shaped Columns", ***International Conference in Commemoration of 20th Anniversary of the 1999 Chi-Chi Earthquake***. Taiwan. Sep. 15-19.

(11) Chou, C. C., Kuo, M. C. (2019). "Seismic Test and Analysis of Wind-Turbine Hollow Steel Round Columns with a Large Diameter-to-Thickness Ratio", ***International Conference in Commemoration of 20th Anniversary of the 1999 Chi-Chi Earthquake***. Taiwan. Sep. 15-19.

(12) Lee, C. S., Chou, C. C., Tan, H. H., Wu, K. Y., Chen, V. L. (2019). "Mechanical Response of Concrete-Filled FRP-Wrapped Steel Corrugated Tube Column", ***International Conference in Commemoration of 20th Anniversary of the 1999 Chi-Chi Earthquake***. Taiwan. Sep. 15-19.

(13) Liu, J. H., Chang, Y. C., Chou, C. C., Chung, P. T. (2019). "Design and Application of SBRB Frames for Steel Tall Buildings in Taiwan: Brace Orientation and Connection", ***International Conference in Commemoration of 20th Anniversary of the 1999 Chi-Chi Earthquake***. Taiwan. Sep. 15-19.

(14) Liu, Y. F., Lin, J. L., Chou, C. C., Weng, Y. T., Chao, S. H., Kuo, C. H. (2019). "Analytical Modeling of a Half-Scale Seven Story Reinforced Concrete Building Shaken Near-Fault Earthquake Motions", ***International Conference in Commemoration of 20th Anniversary of the 1999 Chi-Chi Earthquake***. Taiwan. Sep. 15-19.

(15) Chou, C. C. (2018). "Smart Monitoring and Earthquake Reduction Technologies for High-Tech Fabs", ***SEMICON Japan***, 13-14 December 2018, Tokyo, Japan. **(Invited Speaker)**

(16) Chou, C. C., Wu, S. C. (2018). "Test and Finite Element Analysis of High-Strength Concrete Filled Steel Box Columns under Combined High-Axial Load and Cyclic-Lateral Load", ***Proceedings of the Ninth International Conference on Advances in Steel Structures (ICASS'2018)***, 5-7 December 2018, Hong Kong, China.

(17) Pham, D. H. and Chou, C. C. (2018). "Stability of Sandwiched Buckling Restrained Brace in Full-Scale Two-Story X-BRBF Tests", ***7th International Doctoral Symposium***, November 19-21, Sapporo Japan. **(Funded by Hokkaido University)**

(18) Chou, C. C., Hsiao, C. H., Chen, Z. B., Chung, P. T., Pham, D. H. (2018). "Seismic Tests of Full-Scale Two-Story Steel Frames with Self-Centering Braces and Buckling-Restrained Braces", ***Proceedings of the 11th National Conference on Earthquake Engineering***, Earthquake Engineering Research Institute, Los Angeles, CA.

(19) Weng, Y. T., Jhuang, S. J. and Chou, C. C. (2018). "Analytical studies of a half-scale 3-story non-seismic detailing reinforced concrete building shaken to near-fault earthquakes", ***Proceedings of the 11th National Conference on Earthquake Engineering***, Earthquake Engineering Research Institute, Los Angeles, CA.

(20) Shen, W. C. Hsiao, F. P., Weng, P. W., Li, Y. A., Chou, C. C., Chung, L. L. (2018). "Seismic Tests of a Mixed-Use Residential and Commercial Building Using a Novel Shaking Table". ***Proceedings of the 11th National Conference on Earthquake Engineering***, Earthquake Engineering Research Institute, Los Angeles, CA.

(21) Chou, C. C. (2018). "Collaboration Research at NTU: Example of Earthquake Engineering", ***The 8th Asian Engineering Deans' Summit***, Tokyo Institute of Engineering, Tokyo, Japan. **(Invited Speaker)**

(22) Chou, C. C. (2018). "Self-Centering Structures: from Member to System Level Development and Validation", ***Meijo Science Technology Seminar***, Meijo University, Nagoya, Japan. **(Invited Speaker)**

(23) 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.

(24) 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)**

(25) 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.

(26) 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.

(27) 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.

(28) 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.

(29) 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.

(30) 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, Japan.

(31) 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.

(32) 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)**

(33) 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.

(34) 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.

(35) 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.

(36) Lee, C. S., Chou, C. C., and Teng, H. S. (2104). 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.

(37) 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.

(38) 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.

(39) 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.

(40) 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**.**

(41) 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**.**

(42) 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**.**

(43) 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.

(44) 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.

(45) 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.

(46) 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).**

(47) 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.

(48) 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.

(49) 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.

(50) 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.

(51) 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

(52) 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.

(53) 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.

(54) 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)

(55) 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)

(56) 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)

(57) 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)

(58) 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.

(59) 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.

(60) 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.

(61) 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.

(62) 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.

(63) 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.

(64) Chou, C. C., Chen, S. Y. (2011). "Seismic Performance of Sandwiched Buckling-restrained Braces." ***4th Taiwan-Japan Workshop on Bridge Engineering***, Kyoto, Japan.

(65) 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.

(66) 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.

(67) 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.

(68) 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.

(69) 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.

(70) 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)

(71) Chou, C. C., Chen, J. H. (2009) "Cyclic Tests and Dynamic Responses of a Full-scale Post-tensioned Precast RCS Frame." **11*th Taiwan-Korea-Japan Joint Seminar on Earthquake Engineering for Building Structures***, Kyoto, Japan

(72) 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.

(73) 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

(74) 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)

(75) 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.

(76) 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.

(77) 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)

(78) 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.

(79) 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.

(80) 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.

(81) 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)

(82) 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.

(83) 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.

(84) 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.

(85) 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.

(86) 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.

(87) 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.

(88) 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.

(89) 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.

(90) 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.

(91) 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.

(92) 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.

(93) 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.

(94) 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.

(95) 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.

(96) 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.

(97) 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.

(98) 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.

(99) 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.

(100) 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.

(101) 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.

(102) 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.

(103) 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.

(104) 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.

(105) 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.

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(116) 周中哲，鍾秉庭，凌郁婷(2020)「預力自復位系統的應用與研究:摩擦接合板結合自復位斜撐耐震性能」,2020 鋼筋混凝土與鋼結構設計技術研討會,12 月 17~18 日,臺北市**(Invited Speaker)**

(117) 周中哲(2020)「離岸風機複合結構柱耐震研究：大徑厚比鋼管柱及高分子複合材料包覆鋼管柱試驗及規範比較」，2020 國家地震工程研究中心實驗成果研討會，11 月 30 日，臺北市

(118) 周中哲(2020)「兩層樓高強度鋼構架之鋼柱於高軸力下的側向耐震實驗」，2020 國家地震工程研究中心實驗成果研討會，11 月 30 日，臺北市

(119) 周中哲(2020)「應用摩擦接合於高性能自復位斜撐之耐震性能研究」，2020 國家地震工程研究中心實驗成果研討會，11 月 30 日，臺北市

(120) 周中哲，陳冠維，林德宏(2020)「高強度銲接箱型鋼柱於中高軸力下之側向耐震實驗與背骨曲線發展」，中華民國第 15 屆結構工程暨第 5 屆地震工程研討會，9 月 2~4 日，臺南市

(121) 林德宏，周中哲(2020)「七層樓挫屈束制斜撐構架受遠域與近斷層地震之鋼柱載重歷程發展: 高強度鋼柱實驗驗證」，中華民國第 15 屆結構工程及第 5 屆地震工程研討會，9 月 2~4 日，臺南市

(122) 劉郁芳，周中哲(2020)「ETABS 非線性動力評估鋼筋混凝土高層建築結構補強效益」，中華民國第 15 屆結構工程及第 5 屆地震工程研討會，9 月 2~4 日，臺南市

(123) 李中生，蘇仁康，周中哲(2020)「以 LS-Dyna 模擬複合材料加勁皺褶鋼管填充混凝土的軸壓行為」，中華民國第15屆結構工程及第5屆地震工程研討會，9月2~4日，臺南市

(124) 周中哲(2019)「長週期脈衝地震與自復位結構」，台科大高階科技研發碩士學程，5 月 18 日，臺北市**(Invited Speaker)**

(125) 周中哲，鍾秉庭，粘評，陳威霖，劉郁芳，柯鎮洋，王志誠，陳景誠(2019)「板橋鋼筋混凝土高層建築鋼構件補強效益:實驗及 ETABS 非線性動力分析」，2019 高層建築發展及補強研討會，臺北市

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(127) 周中哲，曾文豪，黃俊翔 ，曾冠霖 (2018)「新槓桿黏彈制震壁的研發及試驗」，中華民國第 14 屆結構工程及第 4 屆地震工程研討會，11 月 6~8 日，臺中市

(128) 周中哲，鍾秉庭， 陳威霖，粘評(2018)「板橋浮洲高樓層住宅全尺寸補強構件試驗」，中華民國第 14 屆結構工程及第 4 屆地震工程研討會，11 月 6~8 日，臺中市

(129) 周中哲，吳松城，吳愷毅，陳威霖，李中生(2018)「鋼與混凝土複合柱於高軸力下抗震實驗」，第 16 屆結構穩定與疲勞學術交流會暨教學研討會，8 月 25-28 日，青島，中國**(Invited Speaker**，in Chinese**)**

(130) 周中哲(2018)「鋼造建築構架靜態載重與震動台試驗：自復位斜撐與挫屈束制斜撐對構架抗震影響」，第六屆土木工程結構試驗與檢測技術暨結構實驗教學研討會，8 月 2~4 日，北京，中國**(Invited Speaker**，in Chinese**)**

(131) 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**)**

(132) 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，台北市

(133) 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

(134) 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

(135) 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**)**

(136) 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**)**

(137) 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)

(138) 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)

(139) 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)

(140) 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)

(141) 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)

(142) 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)

(143) 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)

(144) 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)

(145) 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)

(146) 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」，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)

(147) 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)

(148) 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)

(149) 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)

(150) 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)

(151) 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)

(152) 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)

(153) 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)

(154) 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)

(155) 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)

(156) 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)

(157) 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)

(158) 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)
(159) 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)
(160) 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)
(161) 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)
(162) 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)
(163) 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)
(164) 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)
(165) 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)
(166) 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)
(167) 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)
(168) 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)
(169) 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)
(170) 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)
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