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## 期刊論文(Refereed Papers)

### a. SCI 之期刊論文

1. Chen\*, A. Y., Yu, T.-Y., Lu, T.-Y., Chung, W.-L., Lai, J.-S., Yeh, C.-H., Oyang, Y.-J., Ma, H.-M., and Sun W. Z. (2014) "Ambulance Service Area Considering Disaster-induced Disturbance on the Transportation Infrastructure." *Journal of Testing and Evaluation*, ASTM International, Vol 43, Issue 2. DOI:10.1520/JTE20140084
2. Liu, H.-H., Chen\*, A. Y., Dai, C.-Y., and Sun, W.-Z. (2014) "Physical Infrastructure Assessment for Emergency Medical Response." (Accepted) ASCE, *Journal of Computing in Civil Engineering*, Reston, VA.
3. Liu, P., Chen, A. Y., Huang, Y.-N., Han J.-Y., Lai, J.-S., Kang\*, S.-K., Wu, T.-H., Wen, M.-C., and Tsai, M.-H. (2014) "A Review of Rotorcraft Unmanned Aerial Vehicle (UAV) Developments and Applications in Civil Engineering." *Smart Structures and Systems*, Vol. 13, No. 6, pp. 1065-1094.
4. Chang T.-H., Chen\*, A. Y., Chang, C.-W., and Chueh, C.-H. (2014) "Traffic Speed Estimation via Data Fusion from Heterogeneous Sources for First Response Deployment." ASCE, *Journal of Computing in Civil Engineering*, Vol. 28, Issue 6, 04014018, Reston, VA.
5. Chen\*, A. Y., Peña-Mora, F., Plans, A., Mehta, S., and Aziz, Z. (2012) "Supporting Urban Search and Rescue with Digital Assessments of Structures and Requests of Response Resources." *Advanced Engineering Informatics*, Elsevier, Vol. 26, Issue 4, pp. 833-845
6. Chen\*, A. Y. and Peña-Mora, F. (2011) "A Decentralized Approach Considering Spatial Attributes for Equipment Utilization in Civil Engineering Disaster Response." ASCE, *Journal of Computing in Civil Engineering*, Vol. 25, Issue 6, pp. 457-470, Reston, VA.
7. Chen\*, A. Y., Peña-Mora, F., and Ouyang, Y. (2011). "A collaborative GIS Framework to Support Equipment Distribution for Civil Engineering Disaster Response Operations." *Automation in Construction*, Elsevier, Vol. 20, Issue 5, August, pp. 637-648.
8. Chen\*, A. Y., Han S. W., Lee, S. H., and Peña-Mora, F. (2011) "A Public Web Service to Guide Converging Construction Equipment in Urban Search and Rescue." *Journal of Construction Engineering and Project Management (JCEPM)*, Vol. 1, Issue 3, pp. 45-51.
9. Chen\*, A.Y., Peña-Mora, F., Mehta, S. J., Plans, A. P., Brauer, B. R., Foltz, S., and Nacheman, S. (2011), "Equipment Distribution for Structural Stabilization

- and Civilian Rescue.", *International Journal of Information Systems for Crisis Response and Management (IJISCRAM)*, Vol. 3, Issue 1, pp. 19-31.
10. Peña-Mora, F., Chen\*, A. Y., Aziz, Z., Soibelman, L., Liu, L. Y., El-Rayes, K., Arboleda, C. A., Lantz, T. S., Plans, A. P., Lakhera, S., and Mathur, S. (2010) "A Mobile Ad-Hoc Network Enabled Collaborative Framework Supporting Civil Engineering Emergency Response Operations," *ASCE, Journal of Computing in Civil Engineering*, Vol. 24, Issue 3, pp. 302-312

## b.非 SCI 但為 EI 之期刊論文

1. Tserng, H.P. and Chung, C-L, (2007). "Health Assessment and Maintenance Strategy for Bridge Management Systems: a Lesson Learned in Taiwan," ASCE Journal of Infrastructure Systems, Vol.13, No.3, Sept. 1, pp235-246. (EI)

## c.其他期刊論文

1. 曾惠斌、荷世平、宋秋緯、蔡榮根、楊宜軒 (2009年9月),「企業評價模型運用於營建業之研究與實證」,中國土木工程學刊 (EI) 21卷第三期, P.275-284, <獲99年度中國土木工程學會論文獎>。
2. 蔡榮根、林樹枝、蔡志揚、宋秋緯、曾惠斌 (2009年9月),「中國大陸之建築結構審查與施工勘驗制度」,結構工程,第二十四卷 第三期,第 41-60頁。
3. 曾惠斌、蔡榮根、王炤烈 (2009年夏季號),「混凝土結構體中之鋼筋腐蝕性檢測方法探討」,營建管理季刊,第79期第76-83頁。
4. 林文雄,曾惠斌,黃智弘,"FIDIC一般條款與我國施工綱要規範00700之初步比較",營建管理季刊,第78期,Page 81-97,2009。
5. 曾惠斌,蔡榮根,王炤烈,"鋼結構工程施工品質之管理制度研究",營建管理季刊,第78期,Page 57-65,2009。
6. 曾惠斌,蔡志揚,宋秋緯,蔡榮根,"建築結構安全與國家責任-「行政與技術分立原則」",結構工程,第24卷,第一期,pp3-20,2009。
7. 蔡榮根,王華弘,曾惠斌,"美國結構技師養成及證照制度的探討",結構工程,第24卷,第四期,pp3-9,2008。
8. 曾惠斌,劉湘羚,"工程顧問公司知識管理系統中使用參與程度評量指標之研究",營建管理季刊,第76期,Page 1-14,2008。
9. 蔡榮根,王華弘,曾惠斌,"美國結構技師養成及證照制度的探討",結構工程,第24卷,第四期,pp3-9,2008。
10. 曾惠斌,劉湘羚,"工程顧問公司知識管理系統中使用參與程度評量指標之研究",營建管理季刊,第76期,Page 1-14,2008。

## 學術會議論文(Conference full papers)

1. H. P. Tserng, K. C. Chang, Mirosław Skibniewski, C. C. Chen, Y. F. Liu, "Development of an Innovative Bridge Monitoring System for Multi Disasters," International Symposium on Automation and Robotics in Construction(ISARC), 2011 June 29th-July 2nd, Seoul, Korea.
2. Ji-De Huang, Wen-Jong Wu, Jen-Yu Han, Hui-Ping Tserng, Nan-Jie Wang, Chih-Ting Lin, "High Efficient Synchronization-On-Demand Protocol of IEEE802.15.4 Wireless Sensor Network for Construction Monitoring," International Symposium on Automation and Robotics in Construction(ISARC), 2011 June 29th-July 2nd, Seoul, Korea.
3. K. C. Chang, H. P. Tserng, K.W. Weng, Y. W. Chen, H. T. Tseng, "Developing

- Bridge Monitor Platform Using GPS and Communication Technology,” International Symposium on Automation and Robotics in Construction(ISARC), 2011 June 29th-July 2nd, Seoul, Korea.
4. H. P. Tserng, S. H. Ju, K. C. Chang, C. W. Feng, C. T. Lin, J. Y. Han, K.W. Weng, N. H. Peng, H. C. Chung, P. S. Chang, “Development and Testing of Integrated Bridge Disaster Prevention and Management Platform,” International Symposium on Automation and Robotics in Construction(ISARC), 2011 June 29th-July 2nd, Seoul, Korea.
  5. H. Ping Tserng, Hsien-Hsing Liao, L. Ken Tsai, Po-Cheng Chen, Wen-Pei Wang, " Comparison of Option-Based and Accounting-Based Models on the Prediction of Construction Contractor Default," Proceedings of the 2nd International Symposium on Life-Cycle Civil Engineering, Taipei, Taiwan, October 27-31, 2010, p.393-397.
  6. L. Ken Tsai, H. Ping Tserng, Hsien-Hsing Liao, Po-Cheng Chen, Man-Cheng Lei, " The Performance of Barrier Option-Based Model in Predicting Construction Contractor Default," Proceedings of the 2nd International Symposium on Life-Cycle Civil Engineering, Taipei, Taiwan, October 27-31, 2010, p.865-869.
  7. Thanh Long Ngo, H. Ping Tserng, Samuel Y. L. Yin, "A Lean Procurement Model (LPM) for the Construction Contractor," Proceedings of the 2nd International Symposium on Life-Cycle Civil Engineering, Taipei, Taiwan, October 27-31, 2010.
  8. H. Ping Tserng, Samuel Y.L. Yin, and Wu-Chueh Hung, "Prefabrication Algorithm for Efficient MEP Construction", The 5th Civil Engineering Conference in the Asian Region (5CECAR), 2010 Aug 08-12, Sydney, Australia
  9. L. Ken Tsai, H. Ping Tserng, Wen-Pei Wang, Po-Cheng Chen, 2010, " Predicting Construction Contractor Financial Distress in Taiwan-Integration of Accounting-Based & Market-Based Models," The 14th Symposium on Construction Engineering and Management, 2010 Jul, Taipei, Taiwan.
  10. H. Ping Tserng, Wu-Chueh Hung, and Hsiu-Hui Tsai, "The Comparative Study of the Pre-Fabrication Operation and Traditional Operation for Pipeline Setting-A case study of the Fire-pump Room", The 14th Symposium on Construction Engineering and Management, 2010 Jul, Taipei, Taiwan.
  11. 蔡榮根、曾惠斌、陳柏誠、李敏晶，2010，「運用市場基礎模型於營造業之財務危機預測-Merton模型與Barrier模型之比較」。(第14屆)營建工程與管理學術研討會，國立臺灣大學。
  12. 曾惠斌、李卓翰、徐景文，2010，「技術服務廠商履約績效評鑑指標之研究」。(第14屆)營建工程與管理學術研討會，國立臺灣大學。
  13. 林文雄、陳議標、杜振成、曾惠斌，2010，「預鑄節塊應用於預力橋墩之效益分析」。(第14屆)營建工程與管理學術研討會，國立臺灣大學。
  14. 曾惠斌、范素玲、許雅茹，2010，「關鍵鏈管理方法應用於建築工程排程管控之研究」。(第14屆)營建工程與管理學術研討會，國立臺灣大學。
  15. 林傑、徐景文、曾惠斌，2010，「運用新制度經濟學分析中央促參單位於推動促參業務所扮演之角色」。(第14屆)營建工程與管理學術研討會，國立臺灣大學。
  16. 曾惠斌、余昇鴻、洪五爵、林文雄、徐景文，2010，「公共工程常見爭議項目原因分析及處理對策之研究」。(第14屆)營建工程與管理學術研討會，國立臺灣大學。
  17. 黃金田、張文城、林文雄、曾惠斌，2010，「高敏感區位卵礫石潛盾隧道之

- 施工安全風險管理」。(第14屆)營建工程與管理學術研討會，國立臺灣大學。
18. 蔡琇惠、曾惠斌、洪五爵，2010，「管線預組與傳統工法之比較研究-以消防泵浦機房為例」。(第14屆)營建工程與管理學術研討會，國立臺灣大學。
  19. 高聰宗、曾惠斌、陳立翰，2010，「時間-歷程關係圖在大型工程專案排程之研究-以台灣高鐵工程為例」。(第14屆)營建工程與管理學術研討會，國立臺灣大學。
  20. L. Ken Tsai, Hao-Wei Chin, Hsien-Hsing Liao, H. Ping Tserng, " Developing an Option Framework for Predicting Default Probability of Construction Firms," The 14th Annual Meeting of CRIOCM & 2009 International Symposium on Advancement of Construction Management and Real Estate, Southeast University (SEU), Nanjing, P.R.China.
  21. Lung-Ken Tsai, H. Ping Tserng, Shih-Hsiung Chiang, "The Updates on Seismic Resisting Design of Building Provisions after the 921 Chi-Chi Earthquakes," The 5th APRU 2009 Research Symposium , Multi-Hazards Around the Pacific Rim, National Taiwan University.
  22. L. Ken Tsai; Hao-Wei Chin; Hsien-Hsing Liao, H. Ping Tserng (2009), "A Barrier Option Framework for Predicting Insolvency of Construction Firms," (第13屆)營建工程與管理學術研討會，屏東科技大學。
  23. H. Ping Tserng, Samuel Y.L. Yin, and Wu-Chueh Hung, "The Prefabrication of Electrical and Mechanical System of a Construction Project", Eleventh East Asia-Pacific Conference on Structural Engineering & Construction (EASEC-11), 2008 Nov 11-19, Taipei, Taiwan.