

陳柏翰 教授 Po-Han Chen

Professor

學歷/ 美國普渡大學博士

Ph.D., Purdue Univ., USA

專長/ IT & AI applications, image processing, construction optimization & management,

IFC, financial

Refereed Journal Papers

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4. Chen, P.H.*, Yang, Y.C., and Chang, L.M. (2010). "Box-and-Ellipse-Based ANFIS for Bridge Coating Assessment." *Journal of Computing in Civil Engineering*, ASCE, Vol. 24, No. 5, September/October 2010, pp. 389-398. (SCI/EI)
5. Chowdhury, A.N.*, Chen, P.H., and Tiong, R.L.K. (2011). "Analysing the Structure of Public-Private Partnership Projects Using Network Theory." *Construction Management and Economics*, Vol. 29, No. 3, March 2011, pp. 247-260. (EI)
6. Chen, P.H.*, Shen, H.K., Lei, C.Y., and Chang, L.M. (2011). "Fourier-Transform-Based Method for Automated Steel Bridge Coating Defect Recognition." *Procedia Engineering*, Vol. 14, 2011, pp. 470-476. (EI)
7. Li, Y.Y., Chen, P.H.*, Chew, D.A.S., Teo, C.C., and Ding, R.G. (2011). "Critical Project Management Factors of AEC Firms for Delivering Green Building Projects in Singapore." *Journal of Construction Engineering and Management*, ASCE, Vol. 137, No. 12, December 2011, pp. 1153-1163. (SCI/EI)
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9. Chen, P.H.*, Shen, H.K., Lei, C.Y., and Chang, L.M. (2012). "Support-Vector-Machine-Based Method for Automated Steel Bridge Rust Assessment." *Automation in Construction*, Vol. 23, May 2012, pp. 9-19. (SCI/EI)

10. Chowdhury, A.N.*, Chen, P.H., and Tiong, R.L.K. (2012). "Establishing SPV for Power Projects in Asia: An Analysis of Critical Financial and Legal Factors." *Journal of Business Economics and Management*, Vol. 13, No. 3 (Special Issue), pp. 546-566. (SSCI)
11. Li, Y.Y., Chen, P.H.*, Chew, D.A.S., Teo, C.C., and Ding, R.G. (2012). "Exploration of Critical External Partners of Architecture/Engineering/Construction (AEC) Firms for Delivering Green Building Projects in Singapore." *Journal of Green Building*, Vol. 7, No. 3, pp. 193-209. (SCI)
12. Shen, H.K., Chen, P.H.*, and Chang, L.M. (2013). "Automated Steel Bridge Coating Rust Defect Recognition Method Based on Color and Texture Feature." *Automation in Construction*, Vol. 31, May 2013, pp. 338-356. (SCI/EI)
13. Chen, S.M., Griffis, F.H., Chen, P.H.*, and Chang, L.M. (2013). "A Framework for an Automated and Integrated Project Scheduling and Management System." *Automation in Construction*, Vol. 35, November 2013, pp. 89-110. (SCI/EI)
14. Li, Y.Y.*, Chen, P.H., Chew, D.A.S., and Teo, C.C. (2014). "Exploration of Critical Resources and Capabilities of Design Firms for Delivering Green Building Projects: Empirical Studies in Singapore." *Habitat International*, Vol. 41, pp. 229-235. (SSCI)

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2. Shen, H.K., Lei, C.Y., Chen, P.H., and Chang, L.M. (2010). "Using Fourier Transform for Steel Bridge Defect Inspection (運用傅立葉轉換於鋼橋樑缺陷影像檢測)." *CD-ROM Proceedings of the 14th Construction Engineering and Management Conference (CEMC 2010; 第14屆營建工程與管理學術研討會)*, July 2, 2010, Taipei, Taiwan, pp. 62-63. (Abstract) [This paper receives the Great Paper Award (佳作論文獎) in CEMC 2010.]
3. Shen, H.K., Chen, P.H., and Chang, L.M. (2010). "Support-Vector-Machine-Based Method for Automated Steel Bridge Rust Assessment." *CD-ROM Proceedings of the 5th Civil Engineering Conference in the Asian Region (CECAR 5) / Australian Structural Engineering Conference 2010 (ASEC 2010)*, August 8-12, 2010, Sydney, Australia, p. 48. (Abstract)
4. Hsueh, C.M., Chen, P.H., and Chang, L.M. (2010). "Using Analytic Network Process (ANP) Model to Prioritize Taiwan BOT Bidders." *CD-ROM Proceedings of the 5th Civil Engineering Conference in the Asian Region (CECAR 5) / Australian Structural Engineering Conference 2010 (ASEC 2010)*, August 8-12, 2010, Sydney, Australia.
5. Chowdhury, A.N., Chen, P.H., and Tiong, R.L.K. (2010). "Critical Financial and Legal Factors of Establishing SPV in Asia." *Proceedings of the 2010 International Conference on Construction & Real Estate Management (ICCREM 2010)*, December 1-3, 2010, Brisbane, Australia, pp. 264-272.

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7. Chen, P.H., Shen, H.K., and Chang, L.M. (2011). "A Rust Intensity Recognition Approach for Steel Bridge Surface Coating Images Based on Artificial Neural Networks." Proceedings (Part 2) of the 28th International Symposium on Automation and Robotics in Construction (ISARC 2011), June 29 – July 2, 2011, Seoul, Korea, pp. 390-395.
8. Chen, P.H., Hua, C.F., and Chuang, A. (2011). "Automated Simulation System for Building Information and Energy-Saving Design Modeling." Proceedings of the 11th International Conference on Construction Applications of Virtual Reality 2011 (CONVR 2011), November 3-4, 2011, Weimar, Germany, pp. 549-556.
9. Chen, P.H., Hua, C.F., and Chuang, P.C. (2011). "Real-Time Integration of Building Information Modeling and Energy Efficiency Simulation." Proceedings of the 24th KKCNN Symposium on Civil Engineering, December 14-16, 2011, Awaji City, Japan, pp. 555-558.
10. Chen, P.H. and Chan, L. (2011). "Multi-Objective Optimization for Combination of Green Building Components." Proceedings of the 24th KKCNN Symposium on Civil Engineering, December 14-16, 2011, Awaji City, Japan, pp. 585-588.
11. Chen, P.H., Shen, H.K., and Chang, L.M. (2012). "Automated Rust Defect Assessment Method for Steel Bridge Based on Fourier Transform and Support Vector Machine." Proceedings of the 14th International Conference on Computing in Civil and Building Engineering (ICCCBE 2012), June 27-29, 2012, Moscow, Russia, pp. 314-315. (Abstract)
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(CONVR 2012), November 1-2, 2012, Taipei, Taiwan, pp. 107-112.

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21. Chen, P.H., Chan, L., and Chen, Y.Y. (2013). "A BIM-Based Framework for Selection of Cost-Effective Green Building Design." Proceedings of the 13th East Asia-Pacific Conference on Structural Engineering and Construction (EASEC-13), September 11-13, 2013, Sapporo, Japan.
22. Ker, L.C. and Chen, P.H. (2013). "The Internationalization of the Construction Companies in Taiwan: From the Institutions-based Approach." (Flash-drive) Proceedings of the 26th KKHTCNN Symposium on Civil Engineering (KKHTCNN 2013), November 18-20, 2013, Singapore.
23. Chen, P.H. and Peng, T.T. (2013). "The Analysis of Insurance against Hi-Tech Facilities Construction Projects." (Flash-drive) Proceedings of the 26th KKHTCNN Symposium on Civil Engineering (KKHTCNN 2013), November 18-20, 2013, Singapore.
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30. Ker, L.C. and Chen. P.H. (2014). "Developing an Internationalization Strategy Options Model for the Construction Industry in Taiwan: Foreign Experience Case Studies." (Flash-drive) Proceedings of the 27th KKHTCNN Symposium on Civil Engineering (KKHTCNN 2014), November 10-12, 2014, Shanghai, China.
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38. Yin, Y.H., Chen. P.H., and Huang, F.Y. (2014). "A Pilot Study on Cloud-based Steel Rust Video Recognition." (Flash-drive) Proceedings of the 27th KKHTCNN Symposium on Civil Engineering (KKHTCNN 2014), November 10-12, 2014, Shanghai, China.