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Associate Professor / Director

Dept. of Architecture and Environmental Design / Graduate Institute of Architecture and Interior Design, SHU-TE University

Ph.D. in Architecture, National Cheng-Kung University

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EDUCATION

- Ph.D. in Architecture (09/1994-06/2000) National Cheng-Kung University (ROC).
- M.Eng. in Architecture (09/1992-06/1994) National Cheng-Kung University (ROC).
- B.Sc. in Architecture (09/1986-06/1991) Chung-Yuan Christian University (ROC).

EXPERIENCE

- President (01/2009-01/2011) of the Chinese Institute of Interior and Architectural Design (CIIAD)
- Associate Professor (02/2008-Date) Department of Architecture, National Cheng-Kung University.
- Associate Professor (02/2007-Date) Department of Interior Design, Shu-Te University.
- Associate Professor & Chairman (08/2005-01/2007) Department of Interior Design / Graduate Institute of Architecture and Environment Design, Shu-Te University.
- Assistant Professor & Chairman (08/2003-07/2005) Department of Interior Design, Shu-Te University.
- Assistant Professor (08/2000-07/2003) Department of Interior Design, Shu-Te University.
- Post-doctoral Fellow (07/2000-06/2004) Archilife Environ-Control Research Center, National Cheng-Kung University.
- Research Scientist (09/1997-06/2000) Archilife Environ-Control Research Center, National Cheng-Kung University.
- Visiting Scientist (03/1999-04/1999) Building Technology Program, Department of Architecture, Massachusetts Institute of Technology (MIT), USA.
- Part-time Lecturer (08/1996-01/1999) Department of Applied Life Science, Shih Chien

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University.

- Research Staff Member (06/1994-08/1997) Faculty of Environment Control, Department. of Architecture, National Cheng-Kung University.
- Research Assistant (09/1991-06/1994) Faculty of Environment Control, Department. of Architecture, National Cheng-Kung University.

RESEARCH INTERESTS

- Scientific Feng-Shui
- Ecological architecture design
- Healthy environment design
- R&D on Climate Chamber for Environmental control
- Airflow modelling by CFD and measurements
- Building ventilation systems and climate chamber design
- Indoor air quality (IAQ)
- Lighting design

AWARDS RECIEVED

- Member of the Marquis Who's Who 2010.
- Excellent Award on Remarkable Service Achievements in Shu-Te University, 2009
- Decennium Award on Remarkable Research Achievements in Shu-Te University, 2007
- Excellent Award on Industrial and Scientific Collaborations in Shu-Te University, 2006.
- Advisor of Scholarship for Excellent and Best Ms.D. Thesis from Archilife Research Foundation, 2006.
- Excellent Award on Research Achievements in Shu-Te University, 2005.
- Excellent Award on International Scientific Publishments in Shu-Te University, 2005.
- Excellent Award on Industrial and Scientific Collaborations in Shu-Te University, 2005.
- Advisor of Scholarship for Excellent Ms.D. Thesis from Archilife Research Foundation, 2005.
- Research Fellow of Shu-Te University, 2004.
- Advisor of Scholarship for Excellent Ms.D. Thesis from Archilife Research Foundation, 2004.
- Excellent Award on Research Achievements in Shu-Te University, 2003.
- Advisor of Scholarship for Excellent Ms.D. Thesis from Archilife Research Foundation, 2003.
- Advisor of Scholarship for Excellent Ms.D. Thesis from Archilife Research Foundation, 2002.
- Excellent Award on Industrial and Scientific Collaborations in Shu-Te University, 2001.
- Scholarship for Excellent Ph.D. Thesis from Archilife Research Foundation, 2000.
- Scholarship for Excellent Ms.D. Thesis from Archilife Research Foundation, 1993.
- Architect Qualification by National Examination for the Professionals and Technologists, Taiwan ROC, 1992.

MEMBERSHIP

- Member of the International Society of Indoor Air Quality and Climate (ISIAQ).
- Member of the International Initiative for a Sustainable Built Environment (iiSBE).
- Perpetual Member of the Architectural Institute of the Republic of China (AIROC).
- Member of the Taiwan Society of Sustainable Built Environment (TSSBE).
- Member of the Taiwan Green Building Council (TGBC).
- Member of the Chartered Association of Interior Design, Taiwan (CAID).
- Member of the Chinese Institute of Interior and Architectural Design (CIAD).

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- Member of the Taiwan Association of Sick-Building Consultants (TASBC).
- Member of the Taiwan Society of Indoor Environmental Quality (TSIEQ).
- Perpetual Member of the Illuminating Engineering Society of Taiwan (IEST).
- Member of the Taiwan Society of Interior Design (TSID).
- Ex-Member of the Chinese Society of Housing Studies (CSHS).
- Ex-member of the Chinese Institute of Urban Planning (CIUP).
- Ex-member of the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE).
- Ex-member of the Chinese Association for Aerosol Research (CAAR).

SERVICE & CONSULTING RECORD

Journals and Conferences

- Editorial Advisory Board (2008-Date) The Open Construction & Building Technology Journal, <http://www.bentham.org/open/tobctj/EBM.htm>, ISSN: 1874-8368, Bentham Open,.
- Editorial Advisory Board (2008-Date) The Open Environmental Engineering Journal, ISSN: 1874-8295, Bentham Open, <http://www.bentham.org/open/toenviej/EBM.htm>.
- Director of Public Relations Committee (09-11/11/2007) International Conference on Sustainable Building 2007 Taipei, Taiwan Society of Sustainable Built Environment (TSSBE) • Grand Hyatt Taipei.
- Convener of executive board (22/03/2007) 2007 Sino-Japanese Building and Spatial Tectonic Technology Symposium, STU.
- Co-Chairman (26/05-04/06/2006) Collections of Contemporary Japanese Houses, 1985-2005, Taipei and Kaohsiung.
- Chairman (28/11/2005) Sino-Japanese Building Research and Application Symposium, Kaohsiung.
- Chairman (18/11/2005) 2005 Technical Symposium on Practices and Professions of Interior Design, Kaohsiung.
- Convener of executive board (5-6/05/2005) ICSCC 2005 International Conference on Sustainable and Cultural Creative Design, Kaohsiung.
- Convener of executive board (5-6/05/2004) 2004 International Forum of Design and Culture Masters, Kaohsiung.
- Executive secretary (26-27/07/2002) Conceptual Competition on Spatial Design of BHRD (Bureau of Human Resource Development, Kaohsiung City Government), Kaohsiung.
- Executive secretary (26-27/07/2002) 2002 Conference on Interior Architecture and Living Environment , Tainan.
- Executive secretary (23-24/12/2000) The Second Conference on Interior Design and Technologies, Kaohsiung.

Research Projects

- Co-director (2010-2011) Development of a novel environment monitoring, manipulating and feeling evaluation system for smart living space applications (3/3), NSC 99-2218-E-110-001-, National Science Council.
- Co-director (2009-2010) Development of a novel environment monitoring, manipulating and feeling evaluation system for smart living space applications (2/3), NSC 98-2218-E-110-001-, National Science Council.
- Co-director (2009-2010) Measuring the Influence of Built Green Program on Urban Real Estate Market, NSC 98-2410-H-251-015-, National Science Council.

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- Co-director (2009-2010) A SAW/Semiconductor Type of VOCs Measurement System with High Selectivity, NSC 98-2221-E-020-030-, National Science Council.
- Co-director (2008-2009) Development of a novel environment monitoring, manipulating and feeling evaluation system for smart living space applications (1/3), NSC 97-3114-E-110-001-, National Science Council.
- Director (2008-2009) A Study on the Establishment of the Environmental Circulation System and the International Promotion for the Model Study of Symbiosphere No.2, Archilife Research Foundation.
- Director (2008-2010) The Ventilation Performance of Passive Vertical Chimney for Taiwan Climate based on CFD Airflow Simulation and Field Measurement: Part I & Part II, NSC 97-2221-E-366-002-MY2, National Science Council.
- Co-director (2008-2009) A SAW/Semiconductor Type of VOCs Measurement System with High Selectivity, NSC 97-2221-E-020-038-, National Science Council.
- Assistant Director (2008-2011) NSC TOUCH Center Project No.5, NSC 97-2221-E-366-002-MY2, National Science Council.
- Co-director (2007-2008) Vanguard Study on the Integrated framework of Flexible Smart Living Space for the foreseeable Scenario: FSLs Model (3/3), NSC 96-2218-E-006-004-, National Science Council.
- Director (2007-2008) A Study on the Performance Benchmark of the Physical Environment for the Test Chamber of Symbiotic System with Close Circulation: the Model Study on the daylight Simulation Device, Archilife Research Foundation.
- Director of sub-project (2007) Architecture and Building Research Institute, Ministry of Interiors.
- Co-director (2007-2008) Diagnosis System for Building Environmental – Micro Benzene Sensor and Its Application to Energy Saving. (II), NSC 96-2221-E-212-037-, National Science Council.
- Director (2006-2008) Studies on the Feng-Shui Considerations of Dwelling from the Viewpoint of the Physical Performance of Room Ventilation: Part I & Part II, NSC 95-2221-E-366-017-MY2, National Science Council.
- Co-director (2006-2007) Vanguard Study on the Integrated framework of Flexible Smart Living Space for the foreseeable Scenario: FSLs Model (2/3), NSC 95-2218-E-006-022-, National Science Council.
- Co-director (2006-2007) Diagnosis System for Building Environmental – Micro Benzene Sensor and Its Application to Energy Saving. (I), NSC 95-2221-E-212-058-, National Science Council.
- Director (2006-2007) A Study on the Performance Benchmark of the Physical Environment for the Test Chamber of Symbiotic System with Close Circulation: the Model Study on the Daylight Simulation Device, Archilife Research Foundation.
- Director (2006) A Study on the Technical Diagnosis of the Indoor Environment for the Historical Buildings in the Different Periods of Life Cycle, Architecture and Building Research Institute, Ministry of Interiors.
- Co-director (2005-2008) Vanguard Study on the Integrated framework of Flexible Smart Living Space for the foreseeable Scenario: FSLs Model (1/3), NSC 94-2218-E-006-045-, National Science Council.
- Co-director (2005-2006) Control System for Health Diagnosis of Indoor Environmental – Micro VOC Sensor and its Application on Health and Energy Saving (II), NSC 94-2211-E-212-009-, National Science Council.
- Director (2005-2006) A Study on the Performance Benchmark of the Physical Environment for the Test Chamber of Symbiotic System with Close Circulation: the Development and Evaluation on the daylight Simulation Device, Archilife Research

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Foundation.

- Co-director (2004-2005) Control System for Health Diagnosis of Indoor Environmental – Micro VOC Sensor and its Application on Health and Energy Saving (I), NSC 93-2218-E-212-011-, National Science Council.
- Director (2004-2005) A Study on the Assessment Tools for the Sustainable Buildings in Subtropical Zone (I), NSC 93-2218-E-366-001-, National Science Council.
- Director (2004-2005) A Study on the Chamber Renovation for the Test of Symbiotic System with Close Circulation, Archilife Research Foundation.
- Director (2003-2004) Thermal Stratification and Environmental Performance of Under-floor air distribution (UFAD) Systems (I), NSC 92-2211-E-366-003-, National Science Council.
- Co-director (2003-2004) The Discursive Practice of Space Empowerment of Local Place: Study on Taiwan (Tainan) Countryside (I), NSC 92-2415-H-366-002-, National Science Council.
- Director (2003-2004) The Establishment of Ecological Simulation for the Symbiosphere Space, Archilife Research Foundation.
- Director (2002-2003) A Study on the Design Guidelines and Popularization for Sustainable Indoor Environment in the Era of Earth Risk (III), NSC 91-2621-Z-366-001-, National Science Council.
- Co-director (2002-2003) A Study on Everyday Formation of Built Environment: Several Case-Studies of Taiwanese Village Building Project, NSC 91-2415-H-366-002-, National Science Council.
- Director (2002-2003) A Study on the Development of Situation Simulation and Environmental System for Symbiosphere Space, Archilife Research Foundation.
- Director (2001-2002) A Study on the Design Guidelines and Popularization for Sustainable Indoor Environment in the Era of Earth Risk (II), NSC 90-2621-Z-366-001-, National Science Council.
- Co-director (2001-2002) A Study on the Naturally Ventilated Performances of the Transoms installed the Porous Screens in the Conventional Kitchen, NSC 90-2211-E-006-091-, National Science Council.
- Co-director (2001-2002) A Study on the Inform Structure of Taiwan's Building Industry: A Case Study of the Interior Design, NSC 90-2415-H-366-001-, National Science Council.

COURSES TAUGHT

- Quantitative Assessment of Physical Environment. (2002-Date)
- Environment-oriented Design. (2003-Date)
- Advanced Design I,II (2001-Date)
- Environment Controls (2000-Date)
- Lighting Design (2000-2002, 2004-Date)
- Dwelling and its Environment (1996-2000, 2003)
- Interior Design (2000-2003)
- Chromatics Theory (1998)
- Building Physical Environment (1996)

PUBLICATIONS

Books, Thesis & Dissertation

- Ph.D. thesis, 2000, *A Study on the Naturally Ventilated Performances of the Envelop*

Openings, 174 pages.

- Ms.D. thesis, 1994, *A Study on the Indoor Air Quality in Dwellings by the Variable Behavior Pattern for Living*, 173 pages.

Patents

- 2005, *Micro-sensor for a Volatile Organic Chemical and Manufacturing Method*, TAIWAN IPO No.I239400, 2005/09/01-2023/12/30.

Papers in Refereed Journals

- Ma, R.H.; Chou, P.C.; Wang, Y.H.; Hsueh, T.H.; Fu, L.M. & Lee, C.Y.*, 2009, A microcantilever-based gas flow sensor for flow rate and direction detection, "*Microsystem Technologies*", 15(8): 1201-1205. (SCI, EI) (NSC 97-2221-E-020-038, NSC 97-2218-E-006-012 and NSC 96-2218-E-006-004)
- Lee, C.Y.; Chou, P.C.; Chiang, C.M. & Lin, C.F.*, 2009, Sun Tracking Systems: A Review, "*Sensors*", 9(5): 3875-3890, doi:10.3390/s90503875. (SCI, EI) (NSC 97-3114-E-110-001, NSC 97-2221-E-020-038 and NSC 97-2218-E-006-012)
- Chou, P.C.*; Chiang, C.M.; Chang, K.F. & Kuo, Y.C., 2009, Exploring the Influence of the Psychology Satisfaction of Learning and Productivity by Changing the Indoor Thermal Environment in Taiwan, "*Journal of Architecture*", No. 67: 25-40. (TSSCI) (NSC 94-2218-E-006-045-, NSC 95-2218-E-006-022-, NSC 96-2218-E-006-004)
- Chiang, C.M.; Lee, C.Y.; Hwang, W.J. & Chou, P.C.*, 2008, Solar Orientation Measurement Systems with Integrated Solar Cells, "*The Open Construction and Building Technology Journal*", 2: 280-286. (NSC 93-2218-E-212-011)
- Chang, K.F.; Chiang, C.M. & Chou, P.C.*, 2008, Exploring the Relevance of Regionalism to the Sustainable Building Assessment Model in Taiwan: through GBTool2005 Version, "*The Open Construction and Building Technology Journal*", 2: 185-201. (NSC 94-2218-E-006-045)
- Ho, M.C.; Chiang, C.M.; Chou, P.C.*; Chang, K.F. & Lee, C.Y., 2008, Optimal Sun-shading Design for Enhanced Daylight Illumination of Subtropical Classrooms, "*Energy and Buildings*", 40(10): 1844-1855. (SCI, EI) (NSC 93-2218-E-212-011)
- Chiang, C.M.; Chen, N.T.* & Chou, P.C.; *et al.*, 2008, A Study on the Efficacy of Horizontal Wind Deflector on Indoor Natural Ventilation, "*Journal of Architecture*" , No. 64: 83-102. (TSSCI) (NSC 93-2211-E-006-063)
- Lee, C.Y.*; Wang, Y.H.; Hsueh, T.H.; Ma, R.H.; Fu, L.M. & Chou, P.C., 2008, A Smart Flow Sensor for Flow Direction Measurement, "*Advanced Materials Research*", 47-50: 189-192. (EI) (NSC 93-2218-E-212-011)
- Chou, P.C.*; Chiang, C.M. & Liu, C.C.; *et al.*, 2008, Comparisons on the Indoor Environment Measurement of the Historic Building during the Renovation Steps: Jin-Tang Temple in Jia-Li Town as Illustration, "*Journal of Architecture*", Special Issue on Technology, No. 64: 1-24. (TSSCI) (ABRI 095301070000G1006)
- Chou, P.C.*; Chiang, C.M.; Li, Y.Y.; Lee, C.Y. & Chang, K.F., 2008, Natural Ventilation Efficiency in Bedroom with Central-Pivoting Window, "*Indoor + Built Environment*", 17(2): 164-172. (SCI) (NSC 95-2218-E-006-022)
- Chen, N.T.*; Chiang, C.M. & Chou, P.C.; *et al.*, 2007, A Study on the Influence of Vertical Wind Deflectors on the Natural Ventilation of a Dwelling, "*Journal of Architecture*", No. 61: 63-78. (TSSCI) (NSC 93-2211-E-006-063)
- Chang, K.F.*; Chiang, C.M. & Chou, P.C., 2007, A Study on the Procedure of Customizing by Using a Sustainable Building Assessment Tool: Taking GBTool2005 as an Example, "*Journal of Architecture*", No. 60: 177-196. (TSSCI) (NSC 94-2218-E-006-045, NSC 95-2218-E-006-022)

- Chang, K.F.; Chiang, C.M. & Chou, P.C.*, 2007, Adapting Aspects of GBTool 2005 – Searching for Suitability in Taiwan, “*Building and Environment*”, 42(1): 310-316. (SCI, EI) (NSC 93-2218-E-366-001)
- Chou, P.C.; Chiang, C.M.; Lee, C.Y.* & Ho, M.C., 2006, Influence of Ventilation Routes on Indoor-Pollutant Elimination in Working Environment, “*Indoor + Built Environment*”, 15(5): 473-481. (SCI) (NSC 90-2211-E-006-091)
- Lee, C.Y.; Hsieh, P.R.; Lin, C.H.; Chou, P.C.; Fu, L.M. & Chiang, C.M.*, 2006, MEMS-based Formaldehyde Gas Sensor Integrated with a Micro-hotplate, “*Microsystem Technologies*”, 12(10-11): 893-898. (SCI, EI) (NSC 93-2218-E-212-011)
- Chiang, C.M.; Chang, K.F.; Lee, C.Y. & Chou, P.C.*, 2006, Modeling and Monitoring Natural Ventilation for Conventional Kitchens in Taiwan with Transoms Replaced with Porous Screens, “*Indoor + Built Environment*”, 15(2): 173-178. (SCI) (NSC 90-2211-E-006-091)
- Chiang, C.M.; Chang, K.F.*; Liao, H.Y.; Yang, I.Y. & Chou, P.C., 2006, Case Study on the Performance Evaluation System Applied Design Quality Indicator in New Housing Indoor Environment, “*Journal of Architecture*”, No. 57: 1-23. (TSSCI) (NSC 93-2218-E-366-001)
- Cheng, Y.L.; Lai, R.P.; Chiang, C.M. & Chou, P.C.*, 2006, Comparisons on the Indoor Thermal Environment via Various Construction Types of the Historical Buildings: Taking the Cases of I-Lan County as Illustration, “*Journal of Architecture*”, No. 56: 151-164. (TSSCI)
- Chang, K.F.; Chou, P.C.*; Han, W.Z. & Kuo, Y.C., 2005, Assessing the Adjustment of GBTool Weighting Value in Building Design in Taiwan Using the AHP Method, “*Journal of Leader University*”, 2(2): 21-34. (NSC 93-2218-E-366-001)
- Chou, P.C.* & Chiang, C.M., 2005, Comparisons on the Performances of the Indoor Air and Thermal Environment in Working Spaces with Variance Ventilation Routes, “*Journal of Architecture*”, No. 54: 41-55. (TSSCI) (NSC 92-2211-E-366-003)
- Yang, C.C. & Chou, P.C.*, 2005, Experimental Study on Duct Ventilation of Bathroom in the Apartment Dwelling, “*Journal of Design and Properties*”, 1: 57-66.
- Chou, P.C.*; Chiang, C.M. & Kuo, Y.C., 2005, A Comparative Analysis of International Sustainable Building Assessment between GBTOOL and CASBEE, “*Journal of Shu-Te University*”, 7(1): 55-68. (NSC 93-2218-E-366-001)
- Chou, P.C.*; Chiang, C.M. & Lo, C.H.; *et al.*, 2004, A Study on the Optimum Control Techniques of the Light Environment in the Audio-classroom of Schools, “*Journal of Illuminating Engineering*”, 21(4): 25-46.
- Chou, P.C.*; Chiang, C.M. & Liu, C.M., 2003, A Study on the Numerical Simulation of Indoor Lighting Environment in the Single-sided Day-lighting Classroom, “*Journal of Illuminating Engineering*”, 20(3): 17-32.
- Chiang, C.M.*; Chou, P.C. & Lai, C.M.; *et al.*, 2001, A Methodology to Assess the Indoor Environment in Care Centers for Senior Citizens, “*Building and Environment*”, 36(4): 561-568. (SCI, EI)
- Chiang, C.M.*; Lai, C.M. & Chou, P.C.; *et al.*, 2000, The Influence of an Architectural Design Alternative (Transoms) on Indoor Air Environment in Conventional Kitchen in Taiwan, “*Building and Environment*”, 35(7): 579-585. (SCI, EI) (NSC 88-2211-E-006-047)
- Chiang, C.M.* & Chou, P.C., 1999, The Utilization of Independent Effect in the Assessment of the Indoor Physical Environment – Taking the Care Centers for Aged People as the Illustration, “*Journal of Architecture*”, No. 31: 33-49. (TSSCI)
- Chou, P.C.; Chiang, C.M. & Chuah, Y.K.*; *et al.*, 1998, Effects of Window Positions on

the Air Flow Distribution in a Cross-Ventilated Residential Bedroom, "*Indoor + Built Environment*", 7(5-6): 300-307. (SCI) (NSC 86-2621-E-006-003)

Papers in Refereed International Conference Proceedings

- Huang, H.H.; Chiang, C.M.; Chou, P.C.; Chang, K.F. & Kuo, Y.C., 2009, Considering SB Environmental Assessment Tool for the Performance of Buildings in Taiwan, "*Future Trends in Architectural Management*", International Symposium CIB-W096 2009 Taiwan, Vol. ?, pp. 597-602, Tainan Taiwan. (NSC 97-2410-H-251-002, NSC 96-2221-E-251-006 and NSC 96-2218-E-006-004)
- Su, C.H.; Chiang, C.M.; Chou, P.C. & Chang, K.F., 2009, Utilizing CASBEE to Assess Kaohsiung Modernized Comprehensive Stadium, "*Future Trends in Architectural Management*", International Symposium CIB-W096 2009 Taiwan, Vol. ?, pp. 597-602, Tainan Taiwan. (NSC 97-2410-H-251-002, NSC 96-2221-E-251-006 and NSC 96-2218-E-006-004)
- Chang, K.F. & Chou, P.C., 2009, Sustainable Building at the Right Perceived Value of the Real Estate Market, "*Future Trends in Architectural Management*", International Symposium CIB-W096 2009 Taiwan, Vol. ?, pp. 597-602, Tainan Taiwan. (NSC 97-2410-H-251-002, NSC 96-2221-E-251-006 and NSC 96-2218-E-006-004)
- Yang, W.T.; Chiang, C.M.; Lee, C.C.; Ho, M.C.; Wang W.A. & Chou, P.C., 2009, A Study on Indoor Air Quality and its Determinants in Taiwan Child Care Centers, "*Healthy Building 2009*", The 9th International Conference on Healthy Buildings, Vol. ?, pp. 597-602, NY USA.
- Chou, P.C.; Lee, C.Y.; Chiang, C.M. & Chang, K.F., 2008, Development and Testing on the Hybrid Lighting System Coupled Daylight with Artificial Lights, "*World SB08 Melbourne*", The World Sustainable Building Conference SB08, vol. 2, 188, pp. 1407-1412, Melbourne, Australia.
- Chang, K.F.; Chiang, C.M. & Chou, P.C., 2008, How Sustainable Building Affect to Real Estate Marketing in Taiwan?, "*World SB08 Melbourne*", The World Sustainable Building Conference SB08, vol. 2, 239, pp. 1814-1821, Melbourne, Australia.
- Kuo, Y.C.; Chiang, C.M.; Chang, K.F.; Chou, P.C.; Huang, C.Y. & Huang, H.H., 2008, A Study on the Adaptation and Utilization of SBTOOL in Taiwan, "*World SB08 Melbourne*", The World Sustainable Building Conference SB08, vol. 2, 413, pp. 2288-2293, Melbourne, Australia.
- Chiang, C.M.; Lin, D.E.; Chou, P.C. & Li, Y.Y., 2008, The model simulation of the architectural micro-physical outdoors environment, "*World SB08 Melbourne*", The World Sustainable Building Conference SB08, vol. 2, 431, pp. 2408-2411, Melbourne, Australia.
- Chen, N.T.; Chiang, C.M.; Lin, Y.P.; Li, Y.Y. & Chou, P.C., 2008, A Discourse of Micro Wind Environment and Indoor Temperature and Humidity adapted on the Building Openings of Taiwan in Subtropical Zone, "*World SB08 Melbourne*", The World Sustainable Building Conference SB08, vol. 2, 463, pp. 2626-2633, Melbourne, Australia.
- Lee, C.Y.; Wang, Y.H.; Hsueh, T.H.; Ma, R.H.; Fu, L.M. & Chou, P.C., 2008, A Smart Flow Sensor for Flow Direction Measurement, "*MFMS 2008*", Symposium on Design, Test, Integration Packaging of MEMS/MOEMS, Poster Session: MF-067, pp. 1-4, Hong Kong.
- Wang, Y.H.; Hsueh, T.H.; Ma, R.H.; Lee, C.Y.; Fu, L.M. & Chou, P.C., 2008, A Microcantilever-based Gas Flow Sensor for Flow Rate and Direction Detection, "*DTIP 2008*", Symposium on Design, Test, Integration Packaging of MEMS/MOEMS, Poster Session, pp. 1-5, Nice, France.

- Chiang, C.M.; Lin, D.E.; Chou, P.C. & Li, Y.Y., 2007, The Model Simulation of the Architectural Micro-Physical Outdoors Environment, “*SB07 Taipei*”, International Conference in Sustainable Building 2007 Taipei, A01, pp. 1-9, Taipei, Taiwan.
- Chou, P.C.; Hung, C.C. & Chiang, C.M., 2007, Does Feng-Shui Approach Improve The Indoor Environment Quality? The Viewpoint of The Toom Ventilation by CFD Simulation, “*SB07 Taipei*”, International Conference in Sustainable Building 2007 Taipei, A04, pp. 1-6, Taipei, Taiwan.
- Chang, W.Y.; Chou, P.C. & Chiang, C.M., 2007, The Performance of the Passive Ventilation of Vertical Chimney in Taiwan Considering Global Warming, “*SB07 Taipei*”, International Conference in Sustainable Building 2007 Taipei, A05, pp. 1-6, Taipei, Taiwan.
- Chang, K.F.; Chou, P.C. & Lui, Y.T., 2007, A Study on the Psychology Satisfaction Influenced by the Indoor Physical Environment Factors-Taking the Thermal Comfort Factor, “*SB07 Taipei*”, International Conference in Sustainable Building 2007 Taipei, A07, pp. 1-6, Taipei, Taiwan.
- Lin, Y.P.; Chiang, C.M.; Chen, N.T.; Li, Y.Y. & Chou, P.C., 2007, A Study on the Air Environment Performance of Building Openings in Taiwan, “*SB07 Taipei*”, International Conference in Sustainable Building 2007 Taipei, A08, pp. 1-6, Taipei, Taiwan.
- Chou, P.C.; Lee, C.Y.; Chiang, C.M. & Chang, K.F., 2007, A Study on the Development of the Hybrid Lighting System, “*SB07 Taipei*”, International Conference in Sustainable Building 2007 Taipei, E01, pp. 1-6, Taipei, Taiwan.
- Chang, K.F.; Chou, P.C. & Jiang, H.Y., 2007, What is the Optimized Building Performance Under the Considerations of Environmental Impacts and Costs?, “*SB07 Taipei*”, International Conference in Sustainable Building 2007 Taipei, F04, pp. 1-6, Taipei, Taiwan.
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