

期刊論文

- 林妙真、張佩芬（2015）。國內工程教育認證制度實施成效之評估研究。科技與工程教育學刊，46(2)，30-49。通訊作者
- Chang, P.F. & Lin, M. C.(2015). Against all odds: problem-solving strategies and behavioural characteristics of novice students. *Journal of Further and Higher Education*, DOI:10.1080/0309877X.2013.831035(期刊收錄於 Excellence in Research for Australia)
- 林妙真、張佩芬（2013）。工程及科技教育認證制度下的學生核心能力與評估—大學教師、系主任、院長的觀點。教育科學研究期刊，58(4)，37-68。doi:10.6209/JORIES.2013.58(4).02 (TSSCI) 通訊作者
- Chang, P. F., Wang, D. C.(2011). Cultivating Engineering Ethics and Critical Thinking: A Systematic and Cross-Cultural Education Approach Based on Problem-based Learning. *European Journal of Engineering Education*, 36(4), 377-390. (科教學門推薦 3.1 級期刊)
- Liu, M., Chang, P. F*., Wo, A. M., Yen J.Y., Yang, Y. B., & Wei, C. H. (2008). Quality Assurance of Engineering Education through Accreditation of Programs in Taiwan, *International Journal of Engineering Education*. 24(5), pp.854-863. (SCI) 通訊作者
- 張佩芬、汪島軍、張淨怡（2008）。台灣工程及科技教育之國際化因應：合乎「華盛頓協定」認證制度的建構。教育政策論壇，11(2)，1-39。（TSSCI）
- 楊永斌、葛家豪、張佩芬、劉曼君（2005）。我國工程及科技教育認證制度之推動現況。國家菁英季刊，1(3)，111-126。
- 張佩芬、汪島軍（2005）。以成果導向指標 AC 2004 建構產學配合的課程目標、學習成效、與評量回饋。教育研究月刊，132，142-151。
- 張佩芬、黃珮晴（2005）。IEET 認證規範與自評報告書之審查。中國化學工程學會年刊，52(6)，107-110。
- Chang, P. F., & Hsiau, S. S. (2002). Implementation of an Innovative Curriculum to Cultivate Technological Creativity in Engineering Students. *Proceeding of National Science Council ROC (D)*, 12 (2), 64-72.

研討會論文

- Pei-Fen Chang & Miao-Chen Lin (2015.04) .Harmonization Efforts to Implement the Outcomes-Based Approaches of Accreditation in Taiwan: The Difficulties and New Perspectives.Paper presented on The Sixth Asian Conference on Arts and Humanities 2015, Apr 2-5. Japan: Osaka.
- Chang, P. F., Lin, M. C & Yeh, T. L. (2015.10). Implementation of the International Outcomes-based Approaches of Accreditation in Taiwan: The

Past, Present and Future. Paper presented in Asian Conference on Education 2015, October 21- 25. Japan: Kobe.

- 李珮瑜、張佩芬 (2015 年 10 月)。課程評鑑：以核心能力為軸心之學習成效實證研究。教育評鑑國際學術研討會：績效責任、政策學習與能力建構，10 月 2-3 日。台北：國立台灣師範大學
- 張雯媛、張佩芬 (2015 年 10 月)。成果導向教學之個案分析：以大一國文課程為例。教育評鑑國際學術研討會：績效責任、政策學習與能力建構，10 月 2-3 日。台北：國立台灣師範大學
- Chang, P. F., Lin, M. C & Chou, C. T. (2014.04). Qualitative Study of the Impact of Engineering Education Reform in Taiwan: Department Chairpersons' and Deans' Reflections on the Outcome-based Accreditation Approach. Paper presented on 2014 International Conference on e-Commerce, e-Administration, e-Society, e-Education, and e-Technology, Apr 2-4. Japan: Nagoya.
- Chang, P.F., Lin, M. C & Yeh, T. L. (2014.10). Decision-making and Communication Processes to Create the Best Practice for Implementation of Engineering Accreditation. Paper presented in Asian Conference on Education 2014, Oct 28- November 2. Japan: Osaka.
- Chang, P. F., & Lin, M. C (2013.04). Problem Solving Process of Novice Engineers: Practices and Cases in Higher Education. Paper presented on 2013 International Conference on e-Commerce, e-Administration, e-Society, e-Education, and e-Technology, Apr 3-5. Japan: Kitakyushu.
- 林妙真、張佩芬 (2013)。國內工程教育認證制度實施成效之評估研究。2013 第二屆工程與科技教育學術研討會，5 月 17 日。台北：國立台灣師範大學。
- Chang, P. F., & Lin, M. C (2013.10). The Impact of Engineering Education Accreditation Systems on Curricula and Teaching Practice. Paper presented on the Fifth Asian Conference on Education 2013? Oct. 23-27. Japan: Osaka.
- 林妙真、張佩芬 (2013)。探析系所面對高等教育革新之經營與管理--以工程及科技教育認證受認證學程為例。高等教育經營管理暨教師教育學術研討會，12 月 20 日。台中：國立台中教育大學。
- Chang, P. F., & Lin, M. C (2012.04). A New Look at Problem-Solving Difficulties of Novice Students: An Innovative Classroom Setting Using Fischertechnik Kit. Paper presented on The Asian Conference on Technology in the Classroom 2012, Apr 26-28. Japan: Osaka. (申請人為 session chair)
- 張佩芬、林妙真、張琬琳 (2012)。新手學生於實作問題之解題行為表現。第 13 屆提升技職學校經營品質研討會，5 月 18 日。彰化：國立彰化師範大學。
- 張佩芬、林妙真、張琬琳 (2012)。三位新手學生之解題歷程之分析與比較。2012 技職教育永續發展學術研討會，6 月 5 日。台北：國立台北科技大學。

- 張佩芬、林妙真（2011）。大學教師評鑑制度之現況評估與建議。2011 技職教育永續發展學術研討會，6月1日。台北：台北科技大學。
- Chang, P. F. (2011). An Earthquake Disaster as a Case for Problem-Based Approach to Cultivating the Student Competence in Engineering Ethics, Societal Impact and Energy Sustainability. Paper presented on the ISES Solar World Congress, Aug.28- Sep.2. Germany: Kassel.
- 張佩芬（2011）。國際工程教育認證系統之現況與挑戰：以歐盟、華盛頓協定、以及台灣為例。2011 第一屆工程教育學術研討會--全球化趨勢下工程教育所面臨的挑戰，5月13日。台北：國立台灣師範大學。
- Chang, P. F. (2010). Interdisciplinary Approaches to Determine the Social Impacts of Biotechnology. Paper published in 3rd International Conference on Ethics and Policy of Biometrics and International Data Sharing, Jan4-5 2010, Hong Kong.
- 張佩芬、蔡錫錚、張琬琳、林妙真（2010）。以思考風格探究學生解決問題之困境與個別差異。2010 技職教育永續發展學術研討會，6月9日。台北：台北科技大學。
- 林妙真、張佩芬、蔡錫錚（2010）。全球化時代學生關鍵能力培養與教師教學精進之研究：工學院教師之觀點。「全球化時代之關鍵能力與教育革新」國際學術研討會，11月12-13日。台北：國立台灣師範大學。
- Chang, P. F., & Lin, M. C (2010.11). Globalization of Engineering Ethics Education and Cultivation of Critical Thinking Competencies in Taiwan. Paper presented on International Conference on The Key Competence and Educational Innovation in a Global Era, Nov.12-13. Taipei: National Taiwan Normal University.
- Chang, P. F., Tai, S. J., Chang, W. L.(2009, November). Exploring the Thinking Styles and Problem-Solving Preferences of Engineering Students in a Project-Based Design Course. International Conference on Technology Education in the Asia-Pacific Region (ICTE) 2009, Taipei.(accepted)
- 張佩芬、蔡錫錚、張琬琳、林妙真（2009.09）。探究國內大一學生思考風格與問題解決歷程之關係。台灣心理學會第48屆年會，台北。
- Tsai, S. J., Chang, P. F., Chang, W. L. & Li, C. K.(2009.08). Exploring the Problem-Solving Styles of Freshmen from a Hands-on oriented Course. International Conference on Engineering Education(ICEE), August 23-28, Seoul, South Korea.
- Chang, P. F., Lin, M. C., & Chang, W. L. (2009.06). Bridging Eastern Philosophical Values into Global Ethics Education. The 3rd Redesigning Pedagogy International Conference, June 1-3, Singapore
- Chang, P. F. (2009.03). Internationalization of Engineering Education in Taiwan. The First International Symposium on “The Perspectives on Engineering Ethics across the Curriculum. March 11, Japan.
- Chang, P. F. (2008.07). Internationalization of Engineering Education in Taiwan: Accreditation Approach based on Washington Accord Signatories'

Accreditation System. International Conference on Engineering Education(ICEE), July 27-31, Pec and Budapest, Hungary.

- Chang, P. F., & Wang, D. C. (2008.07). Contribution of Asian Values for Improving the Quality Standards of Global Ethics across the Nation Borders. International Conference on Engineering Education(ICEE), July 27-31, Pec and Budapest, Hungary.
- Chang, P. F., Sugihara, K., & Wang, D. C. (2008.05). Cultural Factors on Engineering Codes of Ethics in Asia. The International Conference on PROFESSIONAL ETHICS and EDUCATION 2008(ICEPEE'08), Kulliyah of Engineering International Islamic University Malaysia.
- Chang, P. F. (2008). Internationalization of Engineering Education in Taiwan: Accreditation Approach based on Washington Accord Signatories' Accreditation System. The International Conference on PROFESSIONAL ETHICS and EDUCATION 2008(ICEPEE'08), Kulliyah of Engineering International Islamic University Malaysia.
- 張淨怡、張佩芬、林信榕、張琬琳（2008）。教師使用資訊科技融入教學之困境與因應之道。第十二屆全球華人電腦教育應用大會 (GCCCE2008)，5月4-8，美國：密西根州立大學。
- Tsai, S. J., Chang, P. F., Lin, H. F., & Yeh, J. L. (2007.08). A study on the roles of the thinking styles in the design behavior. 16th International Conference on Engineering Design (ICED 07), August 28-31, Paris.
- Chang, P. F., Wang, D. C., & Tsai, S. J. (2007.06). A Study of Outcomes-based Assessment for Mechanism Instruction: An Award-Winning Teacher's Reflections. 12th IFToMM World Congress, June 18-21, Besançon.
- Liu, M., Chang, P. F., Yang, Y. B., & Lee, S. Y. (2007.09). Accreditation of Engineering Education for the Master's Degree Programs in Taiwan. 17th International Conference on Engineering Education (ICEE 2007), September 3 – 7, Portugal.
- Hsu, T. C., Chen Y. S., & Chang, P. F. (2006.03). Implementation of ABET EC-2000 into Mechanical Curriculum–Automotive Engineering. 7th WFEO World Congress of Engineering Education, March, Budapest.
- Yang, Y. B., Liu, M., & Chang, P. F. (2006.08). Accreditation of Engineering Programs in Taiwan. Recent Advances in Structural Engineering, Mechanics and Materials: The Pisidhi Karasudhi Symposium Volume. The Tenth East Asia-Pacific Conference on Structural Engineering & Construction, p.247-254, Bangkok, August 4-5.
- Liu, M., Wo, A. M., Yang, Y. B., Chang, P. F., Yen J. Y., & Wei, C. H. (2006.10). Quality Assurance for Engineering Education in a Flat World: Emerging Educational Quality Assurance Approaches in Taiwan. Proceeding of ABET Annual Meeting, October, Florida.
- 張佩芬、陳永樹、陳佳琪（2005）。運用 ABET EC-2000 指標培養工科學生的多元核心能力：以元智大學汽車學課程為例。學習與創造·教育與創新國際學術研討會，台北：國立政治大學。

- 蔡錫錚、張佩芬、吳俊諶（2005.11）。成果導向教學模式成效之探討—以機構學為例。中國機械工程學會第二十二屆全國學術研討會，11月25-26日，中壢：中央大學。
- 張佩芬、汪島軍、陳佳琪（2005）。以 ABET EC-2000 指標建構產學配合的工程教育。2005 年第三屆創新與創造力研討會，台北：政大創新與創造力研究中心。
- 楊永斌、葛家豪、張佩芬（2005.04）。我國工程及科技教育認證制度之推動現況。94 年度考選制度研討會系列一：建築師、技師之教育、考試、訓練、職業管理與國際接軌研討會，4月26-27，台北：台灣大學應用力學所國際會議廳。
- 張佩芬、陳永樹、陳佳琪（2005）。結合 Bloom 的認知歷程理論與 ABET EC2000 提升大學工科學生的多元認知學習能力：以「汽車學」課程為例」。學習、教學、與評量國際研討會。
- 汪島軍、張佩芬、林仕淳（2005）。運用多元培育目標建立單一課程的線上學習歷程檔案。學習、教學、與評量國際研討會。
- Liu, M., Chang, P. F., Ko, C. H., & Ho, C. L. (2005.03). Accrediting Engineering Programs: History and Recent Development of the Accreditation System in Taiwan. International Conference of Engineering Education and Research (ICEER), March 1-5. Tainan.
- Chang, P. F., & Wang, D. C. (2005.03). The Implementation of Multiple Assessment Methods for Outcome-Based Program Assessment. International Conference of Engineering Education and Research (ICEER), March 1-5, Tainan.
- Tsai, S. J., Chang, P. F., & Wu, J. C. (2005.08). A Methodology for Curriculum Planning and Evaluation of the Design-oriented Course Mechanism based on Students' Outcomes. International Conference on Engineering Design (ICED 05), August 15-18, Melbourne.
- Wu, J. C., Chang, P. F., Chen, Y. S., Tsai, S. J., & Yu, N. I. A. (2005.06). Design of Curriculum and Assessment of Student Learning for ME Courses Based on EC 2000. American Society for Engineering Education Annual Conference & Exposition, June 12-15, Portland.
- Tsai, S. J., Chang, P. F., & Wu, J. C. (2005.06). Development of Teaching Strategies and Assessment Methods for Course “Mechanisms” based on Students’ Learning Outcomes. American Society for Engineering Education Annual Conference & Exposition. June 12-15, Portland.
- Liu, M., & Chang, P. F. (2005.07). Engineering Education in Taiwan: The Status of Engineering Programs and the Development of Accreditation System. ICEE 2005, July, Poland.
- Chang, P. F., & Wang, D. C. (2005.07). A Novel Approach Based on ABET Criteria to Maximize Students’ Performance Outcomes. ICEE 2005 Conference, July, Poland.

- 蔡錫錚、吳俊謀、張佩芬（2004.11）。機構學之成果導向課程設計與評量。中國機械工程學會第二十一屆全國學術研討會，11月26-27日，高雄：國立中山大學。
- Chang, P. F., Ko, C. T., Ho, C. L., Yen, J. Y., Wo, A. M., & Yang, Y. B. (2004.06). The Integrated Strategies and Implementing Processes of the Accreditation Criteria in Taiwan. International Conference of Engineering Education and Research (ICEER), June, Prague, Czechoslovakia Republic.
- Chang, P. F., Wang, D. C., & Wo, A. M. (2004.06). A Workshop on New Trend of Implementing the Engineering Faculty Improvement Workshop in Taiwan: A Multi-institutional perspective. American Society of Engineering Education (ASEE), June, Salt Lake City, Utah, USA.
- Chang, P. F., & Wu, J. C. (2004.06). Effectiveness of Problem-solving and Teamwork Skills for Cultivating Technological Creativity within a Team-based Design Course. American Society of Engineering Education (ASEE), June, Salt Lake City, Utah, USA.
- 葉則亮、陳斐卿、蕭述三、吳俊謀、蔡錫錚、張佩芬、莊承哲（2003.04）。大學工程創意實踐新手的挫折及其評量。機構與機器設計，中華民國機構與機器原理學會會刊，14(2)，pp. 6-13。
- Chang, P. F., Wu, J. C., & Hsiao, S. S. (2003.04). A Multiple Assessment Approach and Instructional Activities for Improving the Creative Learning of A Hands-on Project-based Design Course. Best Assessment Process IV, April 24-26, Terre Haute, Indiana.
- 莊益瑞、劉子鍵、周志岳、陳德懷、柯華葳、張佩芬（2002）。教師專業發展之網絡基礎建設設計，Global Chinese Conference on Computers in Education (GCCCE2002), Beijing, China.
- Chang, P. F., Chen, F. C., & Hsiao, S. S. (2002). How to Utilize the Mindmaps to Facilitate Problem-finding Attitude of the Engineering Students in a Creative Mechanical Design Course. Proceedings of International Conference on Engineering Education (ICEE), Manchester, UK.
- Chang, P. F., & Hsiao, S. S. (2002). A Web-based Portfolio as an Assessment Plan for Improving the Instructional Quality. Proceeding of International Conference on Engineering Education (ICEE), Manchester, UK.
- Chang, P. F., & Hsiao, S. S. (2002). The Alternative Assessment Methods for an Engineering Project-Based Curriculum. International Conference on Information Technology Based Higher Education and Training (ITHET), Budapest, Hungary.
- Chang, P. F., Hsiao, S. S., & Yeh, T. L. (2001). Improvement of the Interdisciplinary Approach for a Technological Creativity Course. Proceeding of International Conference of Engineering Education (ICEE), Oslo, Norway.
- Chang, P. F. (2001). A System of Communication to Facilitate Community Building Within the Network: A Preliminary Evaluation, Global Chinese Conference on Computers in Education, (GCCCE2001), Chung-Li, Taiwan.

- Chang, P. F. (2001). The Web-interface System of Communication to Foster Community-based Learning among Active Users within the Network: A Preliminary Evaluation. International Conference on Information Technology Based Higher Education and Training (ITHET), Kumamoto, Japan.
- 張佩芬（2000）。協同教學法在『開放式創意機械工程設計』課程教學成效之研究。地方教育輔導研討會，24-32，中壢：國立中央大學。
- 張佩芬（2000）。教師的壓力調適與心理適應。國立臺灣師範大學與桃園區特約實習學校輔導研習手冊，73-78。
- Hsiao S. S., Wu, J. C., Chang, P. F., Yeh, T. L., & Tsai, S. J. (2000.08). The web-learning environment for creative-design course. International Conference on Engineering Education (ICEE) 2000, Aug., Taiwan.
- Wu, J. C., Chang, P. F., Hsiao, S. S., & Yeh, T. L. (2000.11). A Study of Collaborative Teaching for Creative Learning in an Engineering Class. International Conference on Computers in Education / International Conference on Computer-Assisted Instruction 2000, Nov. 21-24, Taipei, Taiwan.
- Chang, P. F., Hsiao, S. S., Yeh, T. L., & Wu, J. C. (2000). The Development and Implementation of the Technological Creativity Course: An Interdisciplinary Approach. International Conference of Engineering Education (ICEE), Taipei, Taiwan.
- 張佩芬（1999）。運用「最優經驗」的概念探討實習教師專業知能的提升。數理教學及師資培育研討會，彰化：國立彰化師範大學科學教育所。
- 張佩芬、蕭述三（2000）。創意思考教學的課程設計與多媒體輔助教材的運用。『新世紀教育發展願景與規劃』學術研討會，台北：國立台灣師範大學。

專書及專書論文

- Chang, P. F. (2010). Interdisciplinary Approaches to Determine the Social Impacts of Biotechnology. In Kumar A., & Zhang D. (Eds.), Ethics and Policy of Biometrics. (pp.115-120). Springer. (收錄於 EI 資料庫中)
- Chang, P. F. (2010). Interdisciplinary Approaches to Determine the Social Impacts of Biotechnology. In Kumar A., & Zhang D. (Eds.), Ethics and Policy of Biometrics. (pp.115-120). Springer.
- 林妙真、張佩芬、蔡錫錚（2010）。全球化時代學生關鍵能力培養與教師教學精進之研究：工學院教師之觀點。載於蘇永明、方永泉（主編），全球化時代的課程與教學革新（頁 37-61）。台北市：學富文化。
- Chang, P. F. (2009). Internationalization of Engineering Education in Taiwan: Accreditation Approach based on Washington Accord Signatories' Accreditation System. In W. Aung, C. Crosthwaite, R. V. Espinosa, J. Moscinski, S-H. Ou, & L. M. S. Ruiz (Eds.), Innovations 2009: World Innovations in Engineering Education and Research (in press).

- Chang, P. F. & Wang, D. C.(2009). Contribution of Chinese Values for the Quality Standards of Global Ethics across the Nation Borders. In W. Aung, C. Crosthwaite, R. V. Espinosa, J. Moscinski, S-H. Ou, & L. M. S. Ruiz (Eds.), Innovations 2008: World Innovations in Engineering Education and Research (in press).
- Chang, P. F., Ko, C. H., Ho, C. L., Yen, J. Y., Wo, A. M., & Yang, Y. B. (2006). Integrated strategies and implementation processes for accreditation criteria in Taiwan. In W. Aung, C. Crosthwaite, R. V. Espinosa, J. Moscinski, S-H. Ou, & L. M. S. Ruiz (Eds.), Innovations 2006: World Innovations in Engineering Education and Research (pp. 545-554). Arlington, VA
- Chang, P. F., & Wang, D. C. (2006). Cultivating active learning abilities and teamwork skills in a team-based design course. In W. Aung, C. Crosthwaite, R. V. Espinosa, J. Moscinski, S-H. Ou, & L. M. S. Ruiz (Eds.), Innovations 2006: World Innovations in Engineering Education and Research (pp. 433-444). Arlington, VA

技術報告

- 張佩芬（2006）。工程教育評鑑機制之學生核心能力評估與國際化—子計劃一：多元評量方法學(3/3)（國科會專題研究計畫成果報告，NSC 94-2522-S-008-002）。中壢市：國立中央大學學習與教學研究所
- 張佩芬（2006）。臺日雙邊專業倫理教學與評量國際合作研究計畫（國立中央大學發展國際一流大學及頂尖研究中心計畫九十五年度期中成果報告）。中壢市：國立中央大學學習與教學研究所。
- 張佩芬（2006）。臺日雙邊專業倫理教學與評量國際合作研究計畫（國立中央大學發展國際一流大學及頂尖研究中心計畫九十五年度期中成果報告）。中壢市：國立中央大學學習與教學研究所。
- 張佩芬（2005）。「臺歐聯盟科技會議」出國考察報告（國科會與教育部工程教育推動小組）。中壢市：國立中央大學學習與教學研究所。
- 張佩芬（2005）。「臺歐聯盟科技會議」出國考察報告（國科會與教育部工程教育推動小組）。中壢市：國立中央大學學習與教學研究所
- 張佩芬（2005）。新英格蘭高等教育論壇(International Symposium on Teaching Excellence in College Education)出國考察報告（國科會與教育部工程教育推動小組）。中壢市：國立中央大學學習與教學研究所
- 張佩芬（2005）。工程及科技教育認證先導型計畫（教育部研究計畫成果報告）。中壢市：國立中央大學學習與教學研究所
- 張佩芬（2005）。工程教育評鑑機制之學生核心能力評估與國際化—子計劃一：多元評量方法學(2/3)（國科會專題研究計畫成果報告，NSC 94-2522-S-008-002）。中壢市：國立中央大學學習與教學研究所。

- 張佩芬（2004）。工程教育評鑑機制之學生核心能力評估與國際化—子計劃一：多元評量方法學(1/3)（國科會專題研究計畫成果報告，NSC 94-2522-S-008-002）。中壢市：國立中央大學學習與教學研究所。

其他