

**Name/ Title**

Jen-Chia Chang,  
Professor, Chairperson

**Department**

Graduate Institute of Technological and Vocational Education,  
National Taipei University of Technology, Taiwan

**Location**

202 General Education Building

**Address**

Box 4037, No. 1, Sec.3, Chong-Hsiao E. Rd., Taipei City, Taiwan 10608

**Research Interests**

Workforce Development and Education

- Organizational Behavior
- Training and Development
- Technology Teacher Education
- Vocational Education
- Workforce Development and Education

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**EDUCATION**

- 2000 Ph.D. in Educational Leadership, Department of Industrial Education and Technology, National Changhua University of Education, Taiwan. Areas of Specialization: Curriculum and Instruction
- 1994 M.S. in Human Resource and Management, Department of Industrial Education and Technology, National Changhua University of Education, Taiwan. Areas of Specialization: Research/Statistics, and Training/Development
- 1992 B.S in Education, National Taiwan Normal University, Taiwan. Areas of Study: Technological Teacher Education/Professional Development

## **Teaching and Administrative Licenses (Taiwan) – current through Nov, 2019**

### Teaching

- Professor, Institute of Technological & Vocational Education, National Taipei University of Technology, Taiwan
- Associate Professor, Institute of Technological & Vocational Education, National Taipei University of Technology, Taiwan
- Assistant Professor, Institute of Technological & Vocational Education, National Taipei University of Technology, Taiwan
- Assistant Professor, The Center of Teacher Education, National Taiwan University of Science and Technology, Taiwan
- Vocational High School Teacher, Electrical Engineering (Automatic Control)

### Administration

- Chairperson, Institute of Technological & Vocational Education, National Taipei University of Technology, Taiwan. 02/2019-present
- Director, Teacher Education Center, National Taipei University of Technology(02/2019-present)
- CEO, Committee of Recruitment Policy Advancement for Technological Colleges and Universities, Ministry of Education, Taiwan (08/2016-08/2017)
- Vice CEO, Committee of Recruitment Policy Advancement for Technological Colleges and Universities Ministry of Education, Taiwan (02/2014-07/2016)
- Vice Dean, College of Humanities and Social Science, National Taipei University of Technology, Taiwan(02/2013-07/2013)
- Supervisor, Centre of Career Consulting and Guidance (02/2011-07/2012)
- Chief, Division of Information, Library, National Taipei University of Technology, Taiwan(08/2006-07/2009)
- Assistant Dean, College of Humanities and Social Science, National Taipei University of Technology, Taiwan(08/2004-07/2006)
- Chief, Division of Curricula, Affairs of Student, National Taipei University of Technology, Taiwan(08/2002-07/2003)

### Coaching

- Vocational/ Comprehensive High School Administrative Supervisor

## **EXPERIENCE SUMMARY**

Present Position      Professor, Chairperson, Institute of Technological & Vocational Education, National Taipei University of Technology, Taiwan.

- Teaching courses in Workforce Development and Education, Training and Development, Career and Technical (vocational) Education, and Human Resource Development. Conducting research in career-technical education and distance education
- 02/2019-Present Director, Teacher Education Center, National Taipei University of Technology
- 08/2012-03/2017 Professor, Institute of Technological & Vocational Education, National Taipei University of Technology, Taiwan. Teaching courses in Workforce Development and Education, Training and Development, Career and Technical (vocational) Education, and Human Resource Development. Conducting research in career-technical education and distance education
- 05/2006-08/2012 Associate Professor, Institute of Technological & Vocational Education, National Taipei University of Technology, Taiwan.
- 02/2002-05/2006 Assistant Professor, Institute of Technological & Vocational Education, National Taipei University of Technology, Taiwan.
- 03/2001-02/2002 Assistant Professor, The Center of Teacher Education, National Taiwan University of Science and Technology, Taiwan.
- 08/1991-01/2002 Vocational High School Teacher, Electrical Engineering (Automatic Control).

**GRANT SUPPORT (Supported by Ministry of Science & Technology / Ministry of Education)**

- 08/01/2017~07/31/2020 An integrated curriculum development, materials development and experiment teaching for off-campus internship and capstone project in technical university/college: to solving the problems from industries. (MOST) No. MOST 106-2511-S-027-003-MY3
- 08/01/2014~07/31/2017 An innovative instruction for engineering and design curriculum: Innovative products embedded teaching methods for senior project (MOST) No. MOST-103-2511-S-027-004-MY3
- 01/01/2016~12/31/2016 The national project of promotion for technological and vocational education (MOE) No. 205E02

- 11/01/2015~10/31/2016 The Third Phase of Reconstruction for TVE- Part I: Cross discipline integration (MOE) No.205E19
- 10/01/2015~03/31/2016 The anchor and development of technological high schools in Taiwan (MOE) No.204E18
- 08/01/2013/~07/31/2016 Entrepreneurship-embedded internship program development and teaching experiment for Department of Electrical and Informational Engineering in Technological Universities (MOST)No. NSC- 102- 2511-S -027 -003 -MY3
- 08/01/2010/~07/31/2013 A Study on the curriculum development and teaching experiment of entrepreneurship education in the department of computer science and information technology in technological institutes and universities (MOST) No. NSC- 99 -2511 -S -027 -002 -MY3

## **PUBLICATIONS (5-year nearly)**

### **Monographs**

- Jen-Chia Chang(2018.04). Review the policy of “First employment then Entry College”- from the career preparation view point. *Monthly of Taiwan’s Educational Review*, 7(4), 39-43 .【ISSN 2225-7209】
- Jen-Chia Chang(2017.12). Exploring the Relationship between Entrepreneurship Education and Students Entrepreneurial Abilities in Technological Colleges/ Universities. *Research on Humanities and Social Science: Education*, 11 (4) , 1-24. 【ISSN 2414-0228】
- Jen-Chia Chang(2015.08). *Entrepreneurial orientation outline of off-campus curricula for students’ of EECS (electrical engineering & computer science) in technological university*. Taipei: Lab of Innovation and Creativity, Taipei-Tech, Taiwan. 【ISBN 978-986-04-559-22】
- Jen-Chia Chang (2015.03). *Organizational behavior*. Taipei: Chuang-Hwa, Taiwan. 【ISBN 978-957-21-9740-0】
- Jen-Chia Chang(2013.09). *Training and development (3rd)*. Taipei: Chuang-Hwa, Taiwan. 【ISBN 978-957-21-9151-4】

### **Chapters in edited books**

- Jen-Chia Chang(2016.11). Training and cultivation of enterprise ethics. In Y. Liu(Ed.), *The enterprise ethics*(3<sup>rd</sup>.), 13-1~13-28. Taipei: Chuang-Hwa, Taiwan. 【ISBN 978-986-4633- 777】

Jen-Chia Chang & Hsi-Chi Hsiao (2014.01). Theory and practice of department-based curriculum development for technological university. In L. S. Lee (Ed.), *The change and innovation of curricula and teaching in universities*, (pp. 189-210). Taipei: Wu-Na, Taiwan. 【ISBN 978-957-11-7497-6】

Jen-Chia Chang, Zer-Yuan Chang, & Kwen-Yi Chen(2014.12). A relationship model among trust of principal's leadership, innovative culture of school, and teachers' innovative behavior in vocational high school. In Association of Chinese Industrial Educational (Ed.), *Special Issue about Vocational Education in 2014*, (pp.1-16). Taipei: Association of Chinese Industrial Educational. 【ISBN 978-986-87754-0-4】

### **Peer (Blind) Reviewed Journal Articles**

1. Jen-Chia Chang\*, Hsi-Chi Hsiao, Su-Chang Chen, Tien-Li Chen (2016.06). The relationship between students' background and their off-campus internship conditions for departments of electrical engineering & computer science in technological universities: Taking years as reference. *International Journal of Conceptions on Management and Social Sciences*, 4(3), 1-5. 【ISSN 2357 – 2787】
2. Jen-Chia Chang & Pei-Jou Chiu. (2016.10). The concept and practice of creativity workshop for engineering and technology education in universities of technology. *International Journal of Social Science and Humanity (IJSSH)*, 6(10), 756-762. 【ISSN 2010-3646】 doi: 10.18178/ijssh.2016.6.10.744
3. Chang, J.-C., Lin, H.-I., Hsiao, H.-C. (2015.12). Off-campus practicum institution of IT foreign companies: Taking company N as an example. *International Journal of Technology and Engineering Education*, 12(1), 15-24. 【ISSN 1816-9325】
4. Jen-Chia Chang & Tsuntga, Yu (2015). A Study on Core Entrepreneurial Competencies of Students in Practicums within Departments of Electrical Engineering and Computer Sciences (EECS) in Universities of Technology- From the Viewpoint of Advisors in Entrepreneurship Competitions. *International Journal of Entrepreneurial Venturing*, (under review) (SSCI) 【ISSN 1742-5379】
5. Jen-Chia Chang, Yun-Hun Yang, Yi-Fang Yang. (2015.12). An exploratory study on teaching methods of professional course for teachers from engineering colleges of universities of science and technology. *International Review of Social Sciences*, 3(12), 556-579. 【ISSN 2309-0081】
6. Jen-Chia Chang\*, Tien-Li Chen, Hsi-Chi Hsiao, Su-Chang Chen & Chin-Pin Chen (2015.09). Developing and implementing entrepreneurial curriculum in Taiwan-Taking National Taipei University of Technology as an

Example. *International Journal of Recent Advances in Organizational Behavior and Decision Sciences (IJRAOB)*, 1(4), 512-525. 【ISSN 2311-3197】

7. Su-Chang Chen\*, Hsi-Chi Hsiao, Jen-Chia Chang, Chun-Mei Chou, Chin-Pin Chen, Chien-Hua Shen. (2015.07). Can the entrepreneurship course improve the entrepreneurial intentions of students? *International Entrepreneurship and Management Journal*, 11(3), 557-569. doi: 10.1007/s11365-013-0293-0 (SSCI) 【ISSN 1554-7191】
8. Jen-Chia Chang\*, Yuan-Du Hsiao, Su-Chang Chen, & Tien-li Chen. (2015.06). The situation of off-campus internship programs for students in the departments of electronic engineering and information science. In G. Lee (Ed.), *Advances in Education Research*, 74, (pp.61-77). Information Engineering Research Institute, USA. 【ISSN 2160- 1070】
9. Hsi-Chi Hsiao, Jen-Chia Chang\*, & Su-Chang Chang (2014.08). The influence of support for innovation on organizational innovation: Taking organizational learning as a mediator. *The Asia Pacific Educational Researcher*, 23(3), 463-472. DOI 10.1007/s40299- 013-0121-x. (SSCI) 【ISSN 0119- 5646X】
10. Hsi-Chi Hsiao, Su-Chang Chen\*, Jen-Chia Chang, Chun-Mei Chou, Chin-Pin Chen, Chien-Hua Shen(2014.06). Do teachers understand the motivations of students and the barriers to starting a business? A comparison between Taiwan and the United States.*International Journal of Technology and Engineering Education (IJTEE)*, 11(1), 11-22. 【ISSN 1816-9325】
11. Jen-Chia Chang\*, Yuan-Du Hsiao, Su-Chang Chen, and Shao-Wei Yu (2013.11). An assessment of student's competency in internship program- A case of the College of Electrical Engineering and Computer Science in National Taipei University of Technology. In G. Lee (Ed.), *Advances in Education Research*, 29, (pp.465-470). Information Engineering Research Institute, USA. 【ISSN 2160-1070】
12. Jen-Chia Chang\*, Tseng-Chang Chiang (2013.03). The impact of learner characteristics on transfer of training. *Journal of Information Technology and Application in Education (JITAE)*, 2(1), 16-22. 【ISSN 2227-6459(Print)】
13. Jen-Chia Chang, Tseng-Chang Chiang\*, Kun-Yi Chen (2012.12). The systematic construction and influential factors of training needs assessment. *International Journal of Business and Social Science*, 3(24), 31-41. 【ISSN 2219-1933 (Print), 2219-6021 (Online)】
14. Jen-Chia Chang\*, Yu-Ling Yang (2012.11).The effect of organization's innovational climate on student's creative self-efficacy and innovative behavior. *Business and Entrepreneurship Journal*, 1(1), 75-100. 【ISSN 2241-3022】 (print) 【ISSN 2241-312X】 (online)

15. Hsi-Chi Hsiao, Jen-Chia Chang\*, Ya-Ling Tu. (2012.11). The influence of hospital organizational culture on organizational commitment among nursing executives. *African Journal of Business Management*, 6(44), 10888-10895.【ISSN 1993-8233】
16. Jen-Chia Chang\*, Pei-Jou Chiu (2012.07). Are you ready for venturing?- College student's entrepreneurial motivation and entrepreneurial capability. *Crown Journal of Business Management*, 2(2), 17-25. 【ISSN 2276-7444】
17. Jen-Chia Chang\*, Ya-Ling Tu (2012. 05). Students' perspective on teachers' innovative teaching in vocational high schools.*Proceedings of 2012 International Conference on Innovation, Management and Technology Research (ICIMTR2012* , pp.183-187. (EI) 【ISBN 978-1-4673-0653-9】
18. Jen-Chia Chang\* (2012.01). Factors that may mediate the relationship between transformational leadership and organizational innovation. *African Journal of Business Management*, 6(3), 1010-1018. 【ISSN 1993-8233】 DOI: 10.5897/AJBM11.1719
19. Jen-Chia Chang, Tseng-Chang Chiang (2011.08). The effects of trainee characteristics on transfer of training in pre-training stage.*Proceedings of the 2011 International Conference on Engineering Management and Service Sciences* (EI) 【ISBN 978-1-4244-6580-4】
20. Su-Chang Chen\*, Hsi-Chi Hsiao, Jen-Chia Chang, Chun-Mei Chou, Chien-Hua Shen (2011.07). Is innovation performance of private schools better than public schools' in Taiwan? *African Journal of Business Management*, 5(14), 5807-5814. 【ISSN 1993-8233】 (SSCI)
21. Hsi-Chi Hsiao, Jen-Chia Chang\*, Ya-Ling Tu, Su-Chang Chen. (2011.05). The impact of self-efficacy on innovative work behavior for teachers. *International Journal of Social Science and Humanity (IJSSH)*, 1(1), 31-36. 【ISSN 2010-3646】
22. Hsi-Chi, Hsiao & Jen-Chia Chang\* (2011.04). The role of organizational learning in transformational leadership and organizational innovation. *Asia Pacific Education Review*, 12(4), 621-631. DOI: 10.1007/s12564-011-9165-x (SSCI) 【ISSN 1598-1037】
23. Jen-Chia Chang\*, Hsi-Chi Hsiao, and Ya-Ling Tu (2011.03). Besides using transformational leadership, what should schools do to achieve innovation? *The Asia Pacific Educational Researcher*, 20(1), 48-60. (SSCI) 【ISSN0119-5646X】
24. Hsi-Chi Hsiao, Jen-Chia Chang\*, Ya-Ling Tu, & Su-Chang Chen. (2011.02). The influence of teachers' self-efficacy on innovative work behavior. *Proceedings of 2011 International Conference on Social Science and Humanities*, 233-237. (EI) 【ISBN 978-1-4244-9374-6】

25. Jen-Chia Chang, Yu-Mei Yeh\*, Su-Chang Chen, Hsi-Chi Hsiao (2011.01). Taiwanese technical education teachers' professional development: An examination of some critical factors. *Teaching & Teacher Education*, 27(1), 165-173. (doi: 10.1016/j.tate.2010.07.013 ) **(SSCI)** **【ISSN: 0742-051X】**