

## Ping-Wen Chen (陳炳文)

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### Education

- PhD, Department of Computer Science, University of Pittsburgh, 2001/04
- M.E., Department of Computer Science and Information Engineering, National Taiwan University, 1989/07
- B.S., Department of Computer and Information Science, National Chiao Tung University, 1987/07

### Area of Specialty

- Software Engineering
- Software Project Management

### Academic Experience

- Assistant Professor, Department of Information Management, Southern Taiwan University of Science and Technology, 2001/08 to present

### Journal Papers

- Yung-Ming Li, J.-H. Jhang-Li, Ting-Kai Hwang, Ping-Wen Chen, Analysis of Pricing Strategies for Community-based Group Buying: The impact of Competition and Waiting Time, Information Systems Frontier (SCI), Vol. 14, Issue 3, pp. 633-645, July, 2012.

### Conference Papers

1. Ping-Web Chen, Jian-Ming Guo, et al, The Design and Implementation of an Intelligent Greenhouse Management System, Proc. 2019 E-Learning and Information Technology Symposium, Tainan, Taiwan, May, 2019.
2. Ping-Wen Chen, Feng-Ming Pai, et al, Development of a Mobile Information Platform for the Tracking of Food Pedigree, Proc. 2016 E-Learning and Information Technology Symposium, Tainan, Taiwan, March, 2016.
3. Ping-Wen Chen, Ting-Han Liu, et al, Development of an Information Platform as a Mobile Tour Guide combined with Smart Health, Proc. 2016 E-Learning and Information Technology Symposium, Tainan, Taiwan, March, 2016.
4. Ping-Wen Chen, Ming-Hui Yen, Feng-Ming Pai, A Web Site Design Method by UML State Diagrams with Inheritance Mechanism, Proc. 2012 E-Learning and Information Technology Symposium, Tainan, Taiwan, March, 2012.
5. Ping-Wen Chen, Shang-Yu Li, Applying Software Configuration Management to the Development of WebApp, Proc. 2011 E-Learning and Information Technology Symposium, Tainan, Taiwan, March, 2011.
6. Ping-Wen Chen, Jing-Mao Shih, Ting-Kai Hwang, An Extreme Programming Approach to the Development of WebApp, Proc. 2010 E-Learning and Information Technology Symposium, Tainan, Taiwan, March, 2010.
7. Ping-Wen Chen, Hui-Ping Lu, Chen-Yu Chen, Shing-Hua Ho, Mingzoo Wu, Scheduling Electric Power Generators Using Diversity-Guided Bilateral Objective Function, Proc. 2009 National Symposium on System Science and Engineering, Taipei, Taiwan, June, 2009.
8. Jung-Shan Chiu, Ping-Wen Chen, Using Neural Networks to Improve the Cost Estimation of

Software Projects Developed by SOHO, Proc. 2008 Taiwan Conference on Software Engineering (TCSE 2008), Tainan, Taiwan, June, 2008.

9. Ping-Wen Chen, Ting-Kai Hwang, Yung-Ming Li, A One-to-Many Dynamic Negotiation Strategy Model Based on Fuzzy Theory, Proc. 6th International Conference on Computational Intelligence in Economics and Finance (CIEF 2007), pp.356-362, Salt Lake City, USA, July, 2007.
10. Yung-Ming Li, Ting-Kai Hwang, Ping-Wen Chen, Pricing Strategy Analysis for Collective Purchasing E-Commerce, Proceedings of 5th Workshop on e-business (Web 2006), Milwaukee, USA., Dec. 9, 2006.
11. Ping-Wen Chen, Yung-Ming Li, Ting-Kai Hwang, A Fuzzy Rule-based Bargaining Model for Online Group Purchasing, Proceedings of 5th International Conference on Computational Intelligence in Economics and Finance (CIEF 2006), pp. 271-274, Kaohsiung, Taiwan, Oct. 8-11, 2006.

#### **Dissertation**

- A Coordination Model for the Systematic Construction of Distributed Applications, Ph.D. dissertation, Dept. of Computer Science, University of Pittsburgh, 2001.

#### **Professional Experience**

- Software Engineer, International Integrated Systems Inc., Nov. 1991 to May 1992.

#### **Grants**

1. A Cross-domain Talent Cultivation Project for Data Analysis and IoT Applications, contract no. 34001120065-EDU, sponsored by ITSA, Ministry of Education, Feb. 2023 to Jan. 2024.
2. A Cultivation Project for Intelligent, Innovative and Cross-domain Talents, contract no. 34001110064-EDU, sponsored by ITSA, Ministry of Education, Feb. 2022 to Jan. 2023.
3. A Cultivation Project for Intelligent, Innovative and Cross-domain Talents, contract no. 34001100039-EDU, sponsored by ITSA, Ministry of Education, Feb. 2021 to Jan. 2022.
4. A Cultivation Project for Intelligent, Innovative and Cross-domain Talents, contract no. 34001090051-EDU, sponsored by ITSA, Ministry of Education, Feb. 2020 to Jan. 2021.
5. A Cultivation Project for Intelligent, Innovative and Cross-domain Talents, contract no. 34001080070-EDU, sponsored by ITSA, Ministry of Education, March 2019 to Jan. 2020.
6. A Talent Cultivation Project for Smart Devices and Human-computer Interaction, contract no. 34001070059-EDU, sponsored by ITSA, Ministry of Education, Feb. 2018 to Jan. 2019.
7. A Talent Cultivation Project for Smart Devices and Human-computer Interaction, contract no. 331050037-GP, sponsored by ITSA, Ministry of Education, Feb. 2016 to Jan. 2017.
8. A Talent Cultivation Project for Smart Devices and Human-computer Interaction, contract no. 331040032-GP, sponsored by ITSA, Ministry of Education, Feb. 2015 to Jan. 2016.
9. A Talent Cultivation Project for Mobile Device Applications, contract no. 331030040-GP, sponsored by ITSA, Ministry of Education, Feb. 2014 to Jan. 2015.
10. A Talent Cultivation Project for Mobile Device Applications, contract no. 331020044-GP, sponsored by ITSA, Ministry of Education, Feb. 2013 to Jan. 2014.
11. A Talent Cultivation Project for Mobile Device Applications, contract no. 331010040-GP, sponsored by ITSA, Ministry of Education, Feb. 2012 to Jan. 2013.

#### **Entrusted Practical Projects**

- The Construction of the Web site and Internet Marketing Service, contract no. 331000365, sponsored by Jie-Yuan-Mei co., 2012.

#### **Honors and Awards**

1. The Honorable Mention Award of 2023 Intelligent, Innovative and interdisciplinary Information Project competition.
2. The Honorable Mention Award of 2020 Intelligent, Innovative and interdisciplinary Information Project competition.

3. The Excellence Award of 2020 Intelligent, Innovative and interdisciplinary Information Project competition.
4. The Excellent Mentor Award of Fall term 2018.

## **Patents**

1. Spreadsheet paging encryption plus menu style system, computer program and computer readable recording media, patent no. I594187, Taiwan, 2017.
2. Bi-directional loss-proof device between portable electronic products, patent no. M459476, Taiwan, 2013.
3. Clamping device capable of preventing tablespoon from dropping, patent no. M455448, Taiwan, 2013.
4. Bluetooth touch Sensing device, patent no. M454577, Taiwan, 2013.
5. Electronic device with mosquito prevention capability, patent no. M446501, Taiwan, 2013.
6. Structural improvement of key, patent no. M437362, Taiwan, 2012
7. Motorcycle traveling data recorder, patent no. M430619, Taiwan, 2012.