



● Personal information

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● Education

National Taiwan University of Science and Technology	Department of Industrial Management	PhD	2014/ 09~2019/ 06
Chung Yuan Christian University	Department of Industrial Engineering	MS	1995/ 09~1997/ 06
Chung Yuan Christian University	Department of Industrial Engineering	BS	1990/ 09~1994/ 06

● Experience

Asia Eastern University of Science and Technology	Department of Industrial Management	Assistant Professor	2025/ 08~Now
National Taiwan University of Science and Technology	Department of Industrial Management	Postdoctoral Research Fellow	2024/08~2025/07
National Taiwan University of Science and Technology	Department of Industrial Management	NSTC Project Holder	2021/08~2024/07
National Taiwan University of Science and Technology	Department of Industrial Management	Postdoctoral Research Fellow	2019/12~2021/07
uPI electronics	Department of Production Management	Senior Manager	2013/05~2014/01
Silicon Integrated System Corp.	Department of Production and Logistics Management	Senior Manager	2005/09~2013/04
ATi (Canada)	Department of Outsourcing Management	Manager	2003/12~2005/08
Silicon Integrated System Corp.	Department of Production and Logistics Management	Section Manager	2000/06~2003/11
Silicon Integrated System Corp.	Department of Manufacturing Quality Assurance	Engineer	1997/07~2000/05
Legion Corp.	General Manager Office	Special Assistant	1994/07~1995/03

● Expertise

- Human Factors
- Production Management
- Supply Chain Management

● Research Outcomes

(1) Journal Paper

- Chih-Feng Cheng, Chiuhsiang Joe Lin, Ching-Yu Lin (2025, Mar). Applying multiscale entropy for evaluating website visual complexity in an agile project: Using physiological data. *Applied Ergonomics*, 126 (2025) 104509. 1. (SSCI, SCI, JCR 2023, 3.1, ERGONOMICS, 77.1%, Q1). NSTC-111-2221-E-011-074-MY3. The first author.
- Chih-Feng Cheng, Chiuhsiang Joe Lin, Qin-Xuan Hu (2025, Jan). Machine learning models for sequential motion recognition in human activity for logistics operations efficiency improvement. *Artificial Intelligence for Engineering Design, Analysis and Manufacturing*, 39(e1). (SCI, JCR 2023, 1.7, COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS, 30.3%, Q3). NSTC 108-2221-E-011-018-MY3. The first futhor.
- Chih-Feng Cheng, Chiuhsiang Joe Lin (2023, Mar). Building a Low-Cost Wireless Biofeedback Solution: Applying Design Science Research Methodology. *Sensors*, 23(6), 2920. (SCI, JCR 2023, 3.4, INSTRUMENTS & INSTRUMENTATION, 69.1%, Q2). NSTC 110-2223-E-011-001-MY3. The first futhor.
- Lin, C.J., Cheng, C.F. (2022, Oct). Modeling the Effect of Target Shape on Movement Performance in a 1D2D task. *Mathematics*, 10(15), 2568. (SCI, JCR 2022, 2.4, MATHEMATICS, 93.2%, Q1).
- Lin, C.J., Cheng, C.F. (2021, Sep). A New Approach to Modeling the Prediction of Movement Time. *Mathematics*, 9(14), 1585. (SCI, JCR 2021, 2.592, MATHEMATICS, 93.84%, Q1).
- Lin, C.J., Cheng, C.F., Chen, H. J., & Wu, K. Y. (2017, Feb). Training performance of laparoscopic surgery in two-and three-dimensional displays. *Surgical Innovation*. (SCI, JCR 2017, 1.549, SURGERY, 36.1%, Q3). MOST 102-2221-E-011-091- MY3.
- Lin, C.J., Cheng, C.F. (2017, Jan). Lifting speed preferences and their effects on the maximal lifting capacity. *Industrial Health*. (SCI, JCR 2017, 1.115, PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH, 40.8%, Q3)

(2) Conference Paper

- Chih-Feng Cheng, Chiuhsiang Joe Lin, Chieh-Yao Lai (2025, May). The Effect of Near Viewing on Visual Attention Performance in Mixed Reality. The 66th annual conference of Japan Human Factors and Ergonomics Society, Fukuoka. NSTC 111-2221-E-011-074-MY3. The first and corresponding author.
- Chih-Feng Cheng, Chiuhsiang Joe Lin (2024, Aug). Motion Step Classification in Industrial Operations using Kinect Sensor Data. IEA 2024 (22nd Triennial Congress of the International Ergonomics Association), JeJu, Korea. NSTC 111-2221-E-011-074-MY3. The first and corresponding author.
- Chih-Feng Cheng, Chiuhsiang Joe Lin (2024, Jul). Kinematic Feature Extraction and DTW-KNN for Classifying Steps in Manual Industrial Tasks. the International Conference on Applied Human Factors and Ergonomics and the Affiliated Conferences, Nice, France. NSTC 110-2223-E-011-001-MY3. The first and corresponding author.
- Chih-Feng Cheng, Chiuhsiang Joe Lin (2023, Jul). Webcams for Eye-Tracking with Open-Source Libraries in Human Behaviour Studies: A Literature Survey. HCI International 2023, Copenhagen, Denmark. NSTC 110- 2223-E-011-001-MY3. The first and corresponding author.
- Chih-Feng Cheng, Chiuhsiang Joe Lin, Chieh-Yun Lu, Hsi-Che Huang, Ya-Wen Zheng (2022, Mar). A NEW MOVEMENT TIME PREDICTION TO MODELING THE EFFECTIVE TARGET TOLERANCE

WITH A WIDE PROBE TIP. 2022 Ergonomics Society of Taiwan Annual Meeting and International Conference, Southern Taiwan University of Science and Technology. NSTC 108-2221-E-011-018-MY3. The first and corresponding author.

- Cheng, C.F., Lin, C.J. (2020, Oct). A New Methodology to the Job Improvement and the Employee Training on the Shop Floor: Applying Machine Learning Algorithms for Human Computing. Proceedings of 2020 Fall Conference of ESK, online meeting. NSTC 108-2221-E-011-018-MY3. The first and corresponding author.
- Chiuhsiang Joe Lin, Chih-Feng Cheng, Hung-Jen Chen, Yu-Ling Hsu (2017, May). A Cyber-Physical Model of Internet of Humans for Productivity and Worker General Welfare. The 2nd Asian Conference on Ergonomics and Design 2017, 53, 608-611.
- Chih-Feng Cheng, Chiuhsiang Joe Lin, You-Chi Huang, Chiao-Yu Pan, Tz-Hang Lin, Chia-Liang Kao (2025, March). Performance and Usability of Static and Dynamic 3D Visual Assembly Work Instructions. 2025 Ergonomics Society of Taiwan Annual Meeting and International Conference, National Formosa University. NSTC 110-2223-E-011-001-MY3. The first and corresponding author.
- Chih-Feng Cheng, Chiuhsiang Joe Lin, Tzu-Ni Tseng, Tz-Hang Lin, Chiao-Yu Pan, Chia-Liang Kao (2025, March). Comparison of Work Instruction Performance between HoloLens 2 and Traditional 2D Touch Screens. 2025 Ergonomics Society of Taiwan Annual Meeting and International Conference, National Formosa University. NSTC 111-2221-E-011-074-MY3. The first and corresponding author.
- Chih-Feng Cheng, Chiuhsiang Joe Lin, Shin-Ming Huang, Chia-Liang Kao, Chiao-Yu Pan, Tz-Hang Lin (2024, November). A STUDY ON THE RELATIONSHIP BETWEEN OBJECTIVE INDICATORS OF WEB PAGE VISUAL COMPLEXITY AND SUBJECTIVE USABILITY INDICATORS. 2024 Chinese Institute of Industrial Engineers Annual Conference, National Taipei University of Science and Technology. Taipei. NSTC 111-2221-E-011-074-MY3. The first and corresponding author.
- Chih-Feng Cheng, Chiuhsiang Joe Lin, Hui-Ru Chou, Shin-Ming Huang, Tzu-Ni Tseng (2024, March). Applying machine learning to construct prediction model for emotion recognition based on physiological data. 2024 Ergonomics Society of Taiwan Annual Meeting and International Conference, Tatung University. Taipei. NSTC 110-2223-E-011-001-MY3. The first and corresponding author.
- Chih-Feng Cheng, Chiuhsiang Joe Lin, Hsi-Che Huang, Chieh-Yao Lai, You-Chi Huang, Chia-Liang Kao (2024, March). Website Usability Research Based on Users' Attention Using Eye Tracker. 2024 Ergonomics Society of Taiwan Annual Meeting and International Conference, Tatung University. Taipei. NSTC 111-2221-E-011-074-MY3. The first and corresponding author.
- Chih-Feng Cheng, Chiuhsiang Joe Lin, Ya-Wen Zheng, M.C. Tsai, Hui-Ru Chou (2023, March). USING FACIAL EXPRESSIONS AS AN OBJECTIVE EVALUATION TO ASSIST THE SUBJECTIVE SELF-REPORT IN A USER EXPERIENCE ASSESSMENT. 2023 Ergonomics Society of Taiwan Annual Meeting and International Conference, Hualien. NSTC 110-2223-E-011-001-MY3. The first and corresponding author.
- Chih-Feng Cheng, Chiuhsiang Joe Lin, Chieh-Yun Lu (2022, November). FEASIBILITY STUDY OF APPLYING LOW-COST PHYSIOLOGICAL SENSORS IN USER BEHAVIOUR. 2022 Chinese Institute of Industrial Engineers Annual Conference, National Quemoy University. NSTC 110-2223-E-011-001-MY3. The first and corresponding author.
- Chih-Feng Cheng, Chiuhsiang Joe Lin, Ya-Wen Zheng, Chieh-Yun Lu, Hsi-Che Huang (2022, March). A LOW COST SOLUTION OF WIRELESS BIOMETRICS SYSTEM BASED ON OPEN SOURCE HARDWARE AND SOFTWARE. 2022 Ergonomics Society of Taiwan Annual Meeting and International Conference, Southern Taiwan University of Science and Technology. NSTC 110-



2223-E-011-001-MY3. The first and corresponding author.

- Chih-Feng Cheng, Chiuhsiang Joe Lin, Qin-Xuan Hu, Hsi-Che Huang, Ya-Wen Zheng, Chieh-Yun Lu (2022, March). NEW PARADIGM of MOTION and TIME STUDY: ACTITIVITY RECOGNITION and CLASSIFICATION BASED ON SUPERVISED MACHING LEARNING MODELS. 2022 Ergonomics Society of Taiwan Annual Meeting and International Conference, Southern Taiwan University of Science and Technology. NSTC 108-2221-E-011-018-MY3. The first and corresponding author.
- Chih-Feng Cheng, Chiuhsiang Joe Lin (2020, November). Motion Study and Improvement through the Application of Depth Cameras and Dynamic Time Warping. 2020 Chinese Institute of Industrial Engineers Annual Conference, National Yunlin University of Science and Technology. NSTC 108-2221-E-011-018- MY3. The first and corresponding author.