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Education
- PhD, Department of Engineering Science, National Cheng Kung University, 2009/12

Area of Specialty
- E-Learning
- Artificial Intelligence
- Database Management
- Cloud Software Application
- Mobile Software Development

Academic Experience
- Professor, Department of Information Management, Southern Taiwan University of Science and Technology, 2021/09 - present
- Associate Professor, Department of Information Management, Southern Taiwan University of Science and Technology, 2018/02 - 2021/08.
- Assistant Professor, Department of Information Management, Southern Taiwan University of Science and Technology, 2014/08 - 2018/02.
- Visiting Researcher, Athabasca University, Canada, 2008/10 - 2009/01

Journal Papers
1. Lai, C. F., Jeng, Y. L., & Huang, S. B. (2023). Improving programming skills: the use of learning style theory and the instant response supplement tool. Library Hi Tech, 41(4), 1084-1098.
2. Wang, D. C., Jeng, Y. L., Chiang, C. M., & Huang, Y. M. (2022). Exploring the cohesion of classroom community from the perspectives of social presence and social capital. Journal of Computing in Higher Education, 34(1), 39-59.
3. Huang, T. C., Jeng, Y. L., Hsu, C., & Lai, C. F. (2021). Where are the sleeping beauties and princes in educational technology journals?. Library Hi Tech, 39(4), 1137-1153.
4. Huang, S. B., Lai, C. F., & Jeng, Y. L. (2021). Real-Time Feedback Learning System Based on Programming Logs Analysis. Journal of Internet Technology, 22(4), 779-787.
5. Huang, S. B., Jeng, Y. L., & Lai, C. F. (2021). Note-Taking Learning System: The Use of the Learning Style Theory and the Peer Learning Method on Computer Programming Course. Journal of Educational Computing Research, 0735633120985235.
6. Hsieh, Y. Z., Lin, S. S., Luo, Y. C., Jeng, Y. L., Tan, S. W., Chen, C. R., & Chiang, P. Y. (2020). ARCS-Assisted Teaching Robots Based on Anticipatory Computing and Emotional Big Data for Improving Sustainable Learning Efficiency and Motivation. Sustainability, 12(14), 5605.
7. Jeng, Y. L., Lai, C. F., Huang, S. B., Chiu, P. S., & Zhong, H. X. (2020). To Cultivate Creativity and a Maker Mindset Through an Internet-of-Things Programming Course. Frontiers in Psychology, 11, 1572.
8. Hsieh, Y. Z., Tan, S. W., Gu, S. L., & Jeng, Y. L. (2020). Prediction of Battery Discharge States Based on the Recurrent Neural Network. Journal of Internet Technology, 21(1), 113-120.
9. Jeng, Y. L., & Huang, Y. M. (2019). Dynamic learning paths framework based on collective intelligence from learners. Computers in Human Behavior, 100, 242-251.
10. Huang, Y. M., Lou, S. J., Huang, T. C., & Jeng, Y. L. (2019). Middle-aged adults' attitudes toward

health app usage: a comparison with the cognitive-affective-conative model. Universal Access in the Information Society, 18(4), 927-938.
11. Hsieh, Y. Z., & Jeng, Y. L. (2017). Development of home intelligent fall detection IoT system based on feedback optical flow convolutional neural network. IEEE Access, 6, 6048-6057.
12. Wang, C. S., Jeng, Y. L., & Huang, Y. M. (2017). What influences teachers to continue using cloud services?. The Electronic Library.
13. Jeng, Y. L., & Huang, T. C. (2017). Design of a Self-Learning Recommendation System with Integration of Personal Cloud Storage Technology. JOURNAL OF INTERNET TECHNOLOGY.
14. Huang, T. C., Jeng, Y. L., Hsiao, K. L., & Tsai, B. R. (2017). SNS collaborative learning design: enhancing critical thinking for human–computer interface design. Universal Access in the Information Society, 16(2), 303-312.
15. Yu-Lin Jeng, Sheng-Bo Huang (2017). Knowledge-Pushing System for Supporting Automatic Summarization Technology in Programming Course", Journal of Southern Taiwan University of Science and Technology.

Conference Papers
1. Yu-Lin Jeng, Sheng-Bo Huang, Chin-Feng Lai (2023 Aug). Using Guided Discovery Strategies and STEM Robotics to Develop Computational Thinking Skills. 2023 International Symposium on Novel and Sustainable Technology, Porto, Portugal.
2. Yu-Lin Jeng, Rui-Hong Yen, Li-Yu Chen (2022, Nov). Teaching Plan Design of a Project-based Learning System via a Learning Sequence Analysis Algorithm. 2022 International Conference of Innovative Technologies and Learning, Online Virtual Conference.
3. Yu-Lin Jeng, Sheng-Bo Huang, Chin-Feng Lai (2021 Nov). Evaluating the Feedback of Note-Taking Learning System using in a Programming Learning Course. 2021 International Symposium on Novel and Sustainable Technology, Online Virtual Conference.
4. Yu-Lin Jeng, Sheng-Bo Huang, Chin-Feng Lai (2021 Nov). Implementation of Plug-in Module on Android Studio for Programming Teaching Strategy. 2021 International Symposium on Novel and Sustainable Technology, Online Virtual Conference.
5. Yu-Lin Jeng, Sheng-Bo Huang, Chin-Feng Lai (2020, Nov). Exploring the role of social interaction on student satisfaction in programming course. 2020 International Conference of Innovative Technologies and Learning, Online Virtual Conference.
6. Yu-Lin Jeng, Sheng-Bo Huang, Chin-Feng Lai, Pin-Cheng Su, Yu Shu (2019, Dec). A Programming Learning System for Supporting Peer Learning and Note-Taking Strategy. 2019 International Conference of Innovative Technologies and Learning, Tromso, Norway.
7. Zhi-Yao Zhuang, Ding-Chau Wang, Yu-Lin Jeng, Yong-Ming Huang (2019, Jul). The application of a digital game in programming education. 2019 International Conference on Innovative Computing and Management Science, Kyoto, Japan.
8. Yu-Lin Jeng, Yu-Hsin Liu, Yong-Ming Huang (2018, Oct). Exploring the application of a digital game in programming education. 2018 International Symposium on Novel and Sustainable Technology, Tainan, Taiwan.
9. Yu-Lin Jeng, Qing Tan, Ya-Chang Wang (2018, Sep). Using Scaffolding Strategy and Real-Time Assessment Programming Tool to Develop a VR-based Application. International Conference of Innovative Technologies and Learning, Portoroz, Slovenia.
10. Yu-Lin Jeng, Sheng-Bo Huang, and Chin-Feng Lai (2018, Jun). Inspect Road Quality by Using Anomaly Detection Approach. 2018 International Conference on System Science and Engineering , Taipei, Taiwan.
11. Yu-Lin Jeng, Yong-Ming Huang, Sheng-Bo Huang, "Implementation of Real-Time Feedback Mobile APP on Wearable Device", 2017 International Symposium on Novel and Sustainable Technology (2017 ISNST), 2017.
12. Yi-Zeng Hsieh, Mu-Chun Su, Yu-Lin Jeng, "The Jacobian Matrix-based Learning Machine in Student", 2nd International Symposium on Emerging Technologies for Education (SETE 2017), 2017.

13. Yu-Lin Jeng, Qing Tan, Yu Shu, Sheng-Bo Huang, "A Real-Time Assessment of Programming through Debugging Log Analytic", 2nd International Symposium on Emerging Technologies for Education (SETE 2017), 2017.
14. Yu-Lin Jeng, Mu-Lan Hong, Hsin-Tse Lu, "The Development of the Mobile Situated Learning Application based on Microlocation Technology", 6th International Congress on Advanced Applied Informatics (IIAI AAI 2017), 2017.

Dissertation
- Yu-Lin Jeng, "Location-based Dynamic Grouping Algorithm for Supporting Mobile Virtual Campus in Collaborative Learning Environment," National Cheng Kung University, 2010.

Grants
1. Ministry of Science and Technology, "A Programming Teaching Assistant System based on Project-based Learning Strategy and Deep Learning Technology-The Application and Evaluation in APP Programming Course of Technological and Vocational Education", No: MOST 110-2511-H-218 -004 -MY3, 2021/08/01 - 2024/07/31
2. Ministry of Science and Technology, "Using Social Interaction Technique to Explore the Creativeness to Technological and Vocational Education Students (The Second Phase)", No: MOST 111-2401-H-218 -002, 2022/08/01 - 2023/07/31
3. Ministry of Science and Technology, "A Programming Teaching Assistant System based on Peer Learning and Note-Taking Strategy - The Application and Evaluation in APP Development Course of Technological and Vocational Education (The Second Phase)", No: MOST 110-2511-H-218-005, 2021/08/01 - 2022/07/31
4. Ministry of Science and Technology, "Explore the Cognitive Structure and Ability of Computational Thinking through the Application in Project based Programming Learning Course", No: MOST 109-2511-H-218-001 -, 2020/08/01 - 2021/07/31
5. Ministry of Science and Technology, "Using Social Interaction Technique to Explore the Creativeness to Technological and Vocational Education Students", No: MOST 108-2511-H-218-006 -, 2019/08/01 - 2020/07/31
6. Ministry of Science and Technology, "A Programming Teaching Assistant System based on Peer Learning and Note-Taking Strategy - The Application and Evaluation in APP Development Course of Technological and Vocational Education", No: MOST 107-2511-H-218-002 -, 2018/08/01 - 2019/07/31
7. Ministry of Science and Technology, "An Instant Response Programming Learning Environment based on Instructional Scaffolding and Critical Thinking Methodology - The Research in APP Development Courses of Technological and Vocational Education", No: MOST 105-2511-S-218 -003 -MY2-1, 2017/08/01 - 2019/09/30
8. Ministry of Science and Technology, "Research on Big Data of Top and Prospect Research", No: MOST 105-2634-F-218-001, 2016/09/01 - 2017/08/31
9. Ministry of Science and Technology, "An Instant Response Programming Learning Environment based on Instructional Scaffolding and Critical Thinking Methodology - The Research in APP Development Courses of Technological and Vocational Education", No: MOST 105-2511-S-218 -003 -MY2, 2016/08/01 - 2017/07/31

Entrusted Practical Projects
- Yu-Lin Jeng, Research on Bio-Features Identification in Mobile Applications, 2020/12/2 - 2021/4/30, Contract No. 35001090243.