



管理暨設計學院

College of Management and Design

一、 師資

職稱	姓名	學歷	專長
教授 兼管設學院院長	林晋寬 Jin-Kwan Lin	國立政治大學 企業管理博士	策略創新、服務創新、創新 與知識管理、科技行銷
專案助理教授	陳子家 Chen, Tzu-Chia (任教經管系)	國立交通大學 工業工程與工程管理系博士	智慧決策
專案助理教授	薄榮薇 Po, Rung-Wei (任教經管系)	國立清華大學 科技管理研究所博士	科技導向服務創新、服務導 向資訊技術與管理、財務商 業資料分析、系統動態模 擬、多目標決策分析
專案助理教授	鄒鴻泰 Tsou, Hung-Tai (111.08 離職)	元智大學 管理研究所博士	服務創新、產業行銷、消費 者行為、創意管理
專案助理教授	陳偉銘 (112.02 離職)	元智大學 管理學院財務金融 博士	公司理財、公司治理、投資 學、金融科技
專案助理教授	劉為開 Liou, Wei-Kai (112.08 離職)	國立台灣科技大學 工程技術研究所博士	人機介面整合、AR 擴增實 境、VR 虛擬實境、MR 混合 實境、數位藝術、科技藝術、 新科技媒體、數位學習
專案助理教授	李育奇 Lee, Yu -Chi (112.08 離職)	國立清華大學 工業工程與工程管理系博士	人因工程、三維人體計測、 產品評估與設計、勞工安全 與健康、創新服務設計

二、期刊論文

- [1] Chen, Tzu-Chia Hammid, Ali Thaeer Akbarov, Avzal N. Shariati, Kaveh Dinari, Mina Ali, Mohammed Sardar, "Estimating the Physical Properties of Nanofluids Using a Connectionist Intelligent Model Known as Gaussian Process Regression Approach", International Journal of Chemical Engineering, 2022, pp.1017341-1, pp.1017341-14, 2022, 【SCIE & EI】
- [2] Chen, Tzu-Chia Sayed, Biju Theruvil Opulencia, Maria Jade Catalan Alfilh, Raed H. C. Abdulhasan, Maki Mahdi Sadat, Sayed Hashmat, "Prediction of the Coefficient of Pressure Fluctuations during the Hydraulic Jump Using ELM, GMDH, and M5MT", ADVANCES IN CIVIL ENGINEERING, 2022, pp.2495631-1, pp.2495631-14, 2022, 【SCIE & EI】
- [3] Chen, Tzu-Chia Yu, Jiuqi Golmohammadi, Amir-Mohammad, "Application of Sustainable Education Innovation in the Integrated Teaching of Theory and Practice Adopted in the Auto

Chassis Course”,Discrete Dynamics in Nature and Society,2022,pp.7737231-1,pp.7737231-16,2022,【SCIE & EI】

- [4] Chen, Tzu-Chia Majdi, Hasan Sh. Ismael, Aras Masood Pouresmi, Jamshid Ahangari, Danial Noori, Saja Mohammed,“Insights into the Estimation of the Enhanced Thermal Conductivity of Phase Change Material-Containing Oxide Nanoparticles using Gaussian Process Regression Method”,International Journal of Chemical Engineering,2022,pp.7119336-1,pp.7119336-10,2022,【SCIE & EI】
- [5] Chen, Tzu-Chia Ibrahim Alazzawi, Fouad Jameel Grimaldo Guerrero, John William Chetthamrongchai, Paitoon Dorofeev, Aleksei Ismael, Aras masood Al Ayub Ahmed, Alim Akhmadeev, Ravil Latipah, Asslia Johar Abu Al-Rejal, Hussein Mohammed Esmail,“Development of Machine Learning Methods in Hybrid Energy Storage Systems in Electric Vehicles”,Mathematical Problems in Engineering,2022,pp.3693263-1,pp.3693263-8,2022,【SCIE & EI】
- [6] Tzu-Chia Chen, Fouad Jameel Ibrahim Alazzawi, Dinesh Mavaluru, Trias Mahmudiono, Yulianna Enina, Supat Chupra, Alim Al Ayub Ahmed, Mohammad Haider Syed, Aras Masood Ismael, Boris Miethlich,“Application of Data Mining Methods in Grouping Agricultural Product Customers”,Mathematical Problems in Engineering,2022,pp.3942374-1,pp.3942374-9,2022,【SCIE & EI】
- [7] Chen, Tzu-Chia Iliyasu, Abdullah M. Hanus, Robert Salama, Ahmed S. Hirota, Kaoru,“Predicting Scale Thickness in Oil Pipelines Using Frequency Characteristics and an Artificial Neural Network in a Stratified Flow Regime”,Energies,15, (20) ,pp.7564-1,pp.7564-11,2022,【SCIE & EI】
- [8] I Made Sukerta, Tzu-Chia Chen, Jonni Mardizal, Mahmood Salih Salih, Isnaini Zulkarnain, Md Zahidul Islam, Mohammed Sabeeh Majeed, Ahmed Baseem Mahdi, Dhameer Ali Mutlak, Surendar Aravindhan,“Comparison of lateral spillway and morning glory spillway performance in flood control”,Journal of Water and Land Development,53,pp.187,pp.191,2022,【Scopus 】
- [9] Olga Anichkina, Tzu-Chia Chen, Stanislav I. Sivakov, Olga Yuryevna Voronkova, Sergey Alekseevich Gorovoy, Alla Andronikovna Davidyants,“A novel mathematical model to design an agile supply chain for perishable products”,International Journal of Industrial Engineering and Management,13, (2) ,pp.88,pp.98,2022,【Scopus 】
- [10]Anik Yuesti, Marischa Elveny, Hussein Tuama Hazim, Oleg N. Polukhin, Israr Ahmad, Tzu-Chia Chen, Vo Hoang Ca, Huynh Tan Hoi, Surendar Aravindhan,“Application of Forest Optimization Algorithm for the Resource Constraint Project Scheduling”,Industrial Engineering & Management Systems,21, (2) ,pp.313,pp.321,2022,【Scopus 】
- [11]Mayet, Abdulilah Mohammad Chen, Tzu-Chia Alizadeh, Seyed Mehdi Al-Qahtani, Ali Awadh Alanazi, Abdullah K. Ghamry, Nivin A. Alhashim, Hala H. Eftekhari-Zadeh, Ehsan,“Optimizing the Gamma Ray-Based Detection System to Measure the Scale Thickness in Three-Phase Flow through Oil and Petrochemical Pipelines in View of Stratified Regime”,Processes,10, (9) ,pp.1866-1,pp.1866-15,2022,【SCIE & EI】
- [12]Mayet, Abdulilah Mohammad Chen, Tzu-Chia Ahmad, Ijaz Eldin, Elsayed Tag Al-Qahtani, Ali

- Awadh Narozhnny, Igor M. Guerrero, John William Grimaldo Alhashim, Hala H.,“Application of neural network and dual-energy radiation-based detection techniques to measure scale layer thickness in oil pipelines containing a stratified regime of three-phase flow”,Mathematics,10, (19) ,pp.3544-1,pp.3544-13,2022, 【SCIE & EI】
- [13]Mayet, Abdulilah Mohammad Chen, Tzu-Chia Alizadeh, Seyed Mehdi Al-Qahtani, Ali Awadh Qaisi, Ramy Mohammed Aiesh Alhashim, Hala H. Eftekhari-Zadeh, Ehsan,“Increasing the accuracy and optimizing the structure of the scale thickness detection system by extracting the optimal characteristics using wavelet transform”,Separations,9, (10) ,pp.288-1,pp.288-16,2022, 【SCIE & EI】
- [14]Abdulilah Mohammad Mayet, Tzu-Chia Chen, Seyed Mehdi Alizadeh, Ali Awadh Al-Qahtani, Ramy Mohammed Aiesh Qaisi, Hala H. Alhashim and Ehsan Eftekhari-Zadeh,“Application of Artificial Intelligence for Determining the Volume Percentages of a Stratified Regime's Three-Phase Flow, Independent of the Oil Pipeline's Scale Thickness”,Processes,10, (10) ,pp.1996-1,pp.1996-12,2022, 【SCIE & EI】
- [15]Tzu-Chia Chen, Dikambai Nurdaulet, Nurgali Zaurbekov,“Developing Inspection Robot for Corrosion Detection in Pipes by Image Processing Method”,Journal of Research in Science, Engineering and Technology,10, (2) ,pp.104,pp.115,2022, 【非SCI級&非EI—英（外）文發表】
- [16]Lee YC , Lee CH,“SEE: A proactive strategy-centric and deep learning-based ergonomic risk assessment system for risky posture recognition”,Advanced Engineering Informatics,53,pp.101717-1,pp.101717-14,2022, 【SCIE & EI】
- [17]Hsieh MC, Chen LX, Lee YC, Liu QM,“A Simulation-Based Study of the Effect of Brake Light Flashing Frequency on Driver Brake Behavior from the Perspective of Response Time”,Behavioral Sciences,12, (9) ,pp.332-1,pp.332-14,2022, 【SSCI&非SCI—A1】
- [18]Li Z, Deng X, Lee YC, Jiang L, Yu G, Fan J,“Establishment of open web platform based on 3D head model for product adaptability analysis and evaluation”,HELIYON,8, (12) ,pp.e11732-1,pp.e11732-13,2022, 【SCIE & EI】
- [19]Hong X, Lee YC, Zhou S,“Musculoskeletal symptoms and associated factors among manual porcelain workers at different workstations: a cross-sectional study”,INTERNATIONAL ARCHIVES OF OCCUPATIONAL AND ENVIRONMENTAL HEALTH,95, (9) ,pp.1845,pp.1857,2022, 【SCIE & EI】
- [20]Arunachalam M, Lee YC,“Comparative Analysis of Male Cyclist Population in Four Asia Countries for Anthropometric Measurements”,INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH,19, (16) ,pp.10078-1,pp.10078-16,2022, 【SCIE & SSCI】
- [21]Hsieh MC, Zhang YQ, Dong R, Lee YC, Ni C,“Use of EEG signals, cortisol secretion, and task performance to evaluate the effects of different lighting environments on concentration level in a sustained attention task”,INTERNATIONAL JOURNAL OF INDUSTRIAL ERGONOMICS,92,pp.103371-1,pp.103371-12,2022, 【SCIE & SSCI】
- [22]Mahmudiono, Trias; Saleh, Raed Obaid; Widjaja, Gunawan; Chen, Tzu-Chia; Yasin, Ghulam;

Thangavelu, Lakshmi; Altimari, Usama Salim; Chupradit, Supat; Kadhim, Mustafa Mohammed; Marhoon, Haydar Abdulameer, "A review on material analysis of food safety based on fluorescence spectrum combined with artificial neural network technology", FOOD SCIENCE AND TECHNOLOGY, 42, e118721-1,e118721-8,2022 【SCIE & EI】

- [23] Yen, Wan-Chu; Lin, Hsin-Hui, "Investigating the effect of flow experience on learning performance and entrepreneurial self-efficacy in a business simulation systems context", INTERACTIVE LEARNING ENVIRONMENTS, 30, (9), 1593,1608,2022 【SSCI】
- [24] Chen, Tzu-Chia; Opulencia, Maria Jade Catalan; Majdi, Hasan Sh.; Hammid, Ali Thaeer; Sharma, Himanshu; Sajjadifar, Sami; Surendar, Aravindhan, "Estimation of Thermomechanical Fatigue Lifetime of Ball Grid Solder Joints in Electronic Devices Using a Machine Learning Approach", JOURNAL OF ELECTRONIC MATERIALS, 51, (7), 3495,3503,2022 【SCIE & EI】
- [25] Tsou, Hung-Tai, "Linking Customization Capability with CRM Technology Adoption and Strategic Alignment", SERVICE SCIENCE, 14, (1), 60,75,2022 【SSCI】

三、研討會論文

- [1] 代惜言，李育奇，“研究生族群使用降噪耳機在不同模式下的主觀喜好音量水準調查”，第29屆人因工程學會年會暨學術研討會，台南，中華民國，2022/3/11，【國內學術研討會】
- [2] Zhu A, Lee YC, "Changes on foot dimensions with elevated heel heights: a pilot study", 13th International Conference on Applied Human Factors and Ergonomics (AHFE), New York, 美國, 2022/7/24, 【國際學術研討會】
- [3] Dai X, Lee YC, "Investigating preferred listening levels when using noise-canceling headphones among male graduate students", 13th International Conference on Applied Human Factors and Ergonomics (AHFE), New York, 美國, 2022/7/24, 【國際學術研討會】
- [4] Xu F, Guo X, Pan J, Deng L, Lee YC*, "An innovative guidance for outdoor fitness equipment design", 24th International Conference on Human-Computer Interaction (HCII), virtual, 美國, 2022/6/26, 【國際學術研討會】

四、研究及產學合作計畫

單位:元

項次	主持人	計畫名稱	委託單位	起訖日期	總計	政府	企業	本校
1	邱育智	工業 4.0 之 AI 運用分析及研究	紅雀系統有限公司	111/04/15 112/04/14	72,000	0	72,000	0
2	邱育智	語音開發教材服務平台營運模式研究	寓教科技有限公司	111/06/01 112/05/31	72,000	0	72,000	0
合計					144,000	0	144,000	0

五、專利

項次	發明人	專利權人	專利名稱	類別	證書字號	專利國家	生效日期
1	李育奇	明志科技大學	一種公私一體筷子	新型專利	ZL 2022 2 0356954.6	大陸	111/09/16
2	李育奇	明志科技大學	一種蹲便器	新型專利	ZL 2022 2 0357100.X	大陸	111/08/16
3	李育奇	明志科技大學	一種喚醒鬧鐘	新型專利	ZL 2022 2 0357094.8	大陸	111/09/16

