國立東華大學
理工學院院長候選人資料表

姓名 身分證字號	性別	出生年月日	聯絡電話
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一、個人基本資料

現職	機關學校名稱	職稱	到職年月	教授證書字號及起資年月
	國立東華大學	教授	2003.10	教字第143951號 / 2019.2
大學以上學歷	學校名稱	院系所	學位名稱	領受學位年月
	國立清華大學	電機工程學系	博士	1999.06
	國立清華大學	電機工程學系	碩士	1991.06
	國立清華大學	核子工程學系	學士	1987.06
主要經歷	機關學校名稱	職稱	專(兼)任	起訖年月
	國立東華大學	理工學院副院長	兼任	2022.08 – 迄今
	國立東華大學	資工系系主任	兼任	2022.02 – 迄今
	國立東華大學	圖資處系統組組長	兼任	2017.09 – 2022.01
	國立東華大學	教授	專任	2019.02 – 迄今
	國立東華大學	副教授	專任	2011.01 – 2019.02

	國立東華大學	助理教授	專任	2003.10 – 2011.01
	工業技術研究院 光電所	課長	專任	2003.01– 2003.10
	工業技術研究院 光電所	科專計畫 主持人	專任	2000.08 – 2003.10
	工業技術研究院 光電所	工程師	專任	1999.10 – 2003.10

註：請檢附最高學歷證書、教授證書影本。

候選人簽章：張意政 日期：115 年 2 月 4 日

二、 著作、作品或專利目錄

（1）Journal paper

[1] Andy Pramono, **I-Cheng Chang***, and Betty Dewi Puspasari, "PRAMGCN-Net: 3D Human Pose Estimation with a Parameterized Routing Adjacency Modulation Graph Convolutional Network," *IEEE Access*, Vol.13, 159050-159063, 2025. [SCI]

[2] Yucong Shen, Frank Y. Shih, Xin Zhong and **I-Cheng Chang**, "Deep Morphological Neural Networks, " International Journal of Pattern Recognition and Artificial Intelligence, Vol. 36, No. 12, 2022. [SCI]

[3] Yanan Yang, Frank Y. Shih and **I-Cheng Chang**, "Adaptive Image Reconstruction for Defense Against Adversarial Attacks," International Journal of Pattern Recognition and Artificial Intelligence, Vol. 36, No. 12, 2022. [SCI]

[4]**I-Cheng Chang***, Chieh-Yu Liu, Chung-Lin Huang, Kunal Kabi, "People Movement Linkage Based on Path Revision Across Multiple Cameras", *Journal of Internet Technology*, Vol. 21, No.4, pp. 1217-1232, 2020. [SCI]

[5]**I-Cheng Chang***, Jhe-Sheng Lyu and Chun-Man Lin, "Human activities recognition based on a multi-level configuration", *Journal of Computers*, Vol. 29 No. 5, pp. 216-235, 2018, [EI]

[6]**I-Cheng Chang***, Zong-Sing Wun and Hung-Yu Yeh, "An Image Inpainting Technique on Chinese Paintings", *Journal of Computers*, Vol. 29, No. 3, pp. 121-135, 2018. [EI]

[7]Shih-Chung Hsu, **I-Cheng Chang*** and Chung-Lin Huang, "Vehicle Verification Between Two Nonoverlapped Views Using Sparse Representation", *Pattern Recognition*, Vol. 81, pp. 131-146, 2018. [SCI]

[8]Hung-Yu Yeh, **I-Cheng Chang*** and Yung-Hsin Chen, "An Event Alarm System Based on Single and Group Human Behavior Analysis", *Journal of Electronic Science and Technology*, Vol. 15, Issue 2, pp. 123-132, 2017. [EI]

[9]Frank Y. Shi*, Xin Zhong, **I-Cheng Chang** and Shin'ichi Satoh, "An Adjustable-Purpose Image Watermarking Technique by Particle Swarm Optimization", *Multimedia Tools and Applications*, Vol. 77, Issue 2, pp. 1623-1642, 2018. [SCI]

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[11]I-Cheng Chang, Yu-Chen Hu*, Wu-Lin Chen and Chun-Chi Lo, "High Capacity Reversible Data Hiding Scheme Based on Residual Histogram Shifting for Block Truncation Coding," Signal Processing, Vol.108, pp.376-388, March 2015. (SCI)

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[13]Chun-Chin Lo, Yu-Chen Hu*, Wu-Lin Chen and **I-Cheng Chang**, "Probability-based Image Authentication Scheme for Indexed Color Images," Journal of Electronic Imaging, Vol.23, No.3, pp.1-10, May 2014. (SCI)

[14]**I-Cheng Chang*** and Chieh-Jung Hsieh, "Image Forgery Using Enhanced Bayesian-based Matting Algorithm," Intelligent Automation and Soft Computing, Vol.17, No.2, pp.269-281, March 2013. (SCI)

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[16]**I-Cheng Chang***, Kun-Han Lue, Hung-Jen Hsieh, Shu-Hsin Liu and Chih-Hao K.Ka, "Automated Striatal Uptake Analysis of 18F-FDOPA PET Images Applied to Parkinson's Disease Patients," Annals of Nuclear Medicine, Vol.25, No.10, pp.796-803, September 2011. (SCI)

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[21]Jiann-Liang Chen*, Yu-Ming Hsu and **I-Cheng Chang**, "Adaptive Routing Protocol for Reliable Sensor Network Applications," International Journal on SMART Sensing and Intelligent Systems, Vol.2, No.4, pp.515-539, December 2009. (EI)

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（2）International Conference paper

[29] Andy Pramono, **I-Cheng Chang***, Betty Dewi Puspasari, Mitra Istiar Wardhana, "Nuril Kusuma Wardani, "DeepWayang: A Hybrid EfficientNet-CNN Architecture for Robust Indonesian Wayang Classification," 9th International Conference on Electrical, Electronics and Information Engineering (ICEEIE), Mataram, Indonesia, Sep. 2025.

[30] **I-Cheng Chang***, Elvio Jonathan, Marcel Johan, Shao Qi Lee, and Phoebe Pilota, "StyleVision: An AI-Integrated Stylist System with Intelligent Wardrobe Management and Outfit Visualization," 8th International Conference on Knowledge Innovation and Invention 2025 (ICKII 2025), Fukuoka, Japan, August, 2025.

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[32]**I-Cheng Chang***, Minh Trang Nguyen, Kai-En Chang, Kenrick Albert, Diet Advisor: an Image-Based Food Intake Analysis and Meal Recommendation System, in International Conference on Innovation, Communication, and Engineering, Danang, Vietnam, Nov. 2024.

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[36]Ming-Yi Chen, **I-Cheng Chang**, Jin-Wei Chen, Bing-Hua Yang and Cun-Fang Wun, An Immersive 3D Navigation System Using 3D Gaussian Splatting, *in the 11th International Conference on Consumer Electronics,* Taichung, Taiwan, July 2024.

[37]Min-Hsuan Lai, Xuang-Zhe Huang, Kunal Kabi and **I-Cheng Chang***, A Real-time Identification System for Plant Diseases and Pests Using Deep Learning, The 17th International Conference on Automation Technology (Automation 2020), Hualien, Taiwan, Nov. 12~14, 2020.

[38]**I-Cheng Chang*** and Tzu-Chiang Wang, "Unsupervised Multi-class Cosegmentation," The 10th International Conference on Ubi-media Computing and Workshops, Bali, Indonesia, August 6-9, 2019.

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[41]**I-Cheng Chang***, Yudi Pratama Halim and Chun-Man Lin, "Vehicle Path Estimation Using Dual-Level Clustering and Multi-Source Prediction," IEEE Big Data 2017 Workshops: The 4th International Workshop on Pattern Mining and Application of Big Data (BigPMA 2017), Boston, MA, United States of America, December 11-14, 2017.

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[43]Yu-Sheng Ruan, **I-Cheng Chang*** and Hung-Yu Yeh, "Vehicle Detection Based on Wheel Part Detection," International Conference on Consumer Electronics-Taiwan (ICCE-TW), Taipei, Taiwan, June 6-8, 2017.

[44]Shih-Chung Hsu, **I-Cheng Chang** and Chung-Lin Huang, "Object Verification in Two Views Using Sparse Representation," The 23rd International Conference on Pattern Recognition (ICPR), Cancún, Mexico, December 4-8, 2016.

[45]**I-Cheng Chang*** and Hsuan-Ying Liao, "Clothing Recommendation Based on Parts Alignment," The 9th IEEE International Conference on Ubi-Media Computing, Moscow, Russia, August 15-17, 2016.

[46]**I-Cheng Chang*** and Hsuan-Ying Liao, "Human Event Detection Using Single and Group Behavior Analysis," International Conference on Information and Social Science, Fukuoka, Japan, August 5-7, 2015.

[47]J. Cloud Yu, **I-Cheng Chang*** and Yi-Jun Lin, "A Dynamic Music Adding System Based on Cloud Computing," International Conference on Consumer Electronics-Taiwan (ICCE-TW), Taipei, Taiwan, June 6-8, 2015.

[48]Shi-Zhong Zhan and **I-Cheng Chang***, "Pictorial Structures Model Based Human Interaction Recognition," The 13th International Conference on Machine Learning and Cybernetics (ICMLC 2014), Lanzhou, China, July 13-16, 2014.

[49]**I-Cheng Chang*** and Yu-Kai Kao, "Video Compensation for Highlights and Shadows," The 15th IASTED International Conference on Signal and Image Processing, Banff, Canada, July 17-19, 2013.

[50]Jia-Wei Hung, **I-Cheng Chang*** and Jiun-Wei Yu, "An Interactive 3D Modeling System Based on Fingertip Tracking," International Computer Symposium, Hualien, Taiwan, December 12-14, 2012.

[51]**I-Cheng Chang*** and Jia-Hong Yang, "Multi-Camera Based Social Network Analysis," The Eighth International Conference on Intelligent Information Hiding and Multimedia Signal Processing, Piraeus-Athens, Greece, July 18-20, 2012.

[52] Ke-Yin Chen, Chung-Lin Huang, Shih-Chung Hsu and **I-Cheng Chang***, "Multiple Objects Tracking across Multiple Non-Overlapped Views," Pacific-rim Symposium on Video and Image Technology, Gwangju, Korea, November 20-23, 2011.

[53]**I-Cheng Chang*** and Ruei-Min Cheng, "Caricaturation for Human Face Pictures," International Conference on Machine Learning and Cybernetics, Guangxi, China, July 10-13, 2011.

[54]**I-Cheng Chang***, Chieh-Yu Liu and Chung-Lin Huang, "Human Activity Linkage Recording for Multiple Cameras with Disjoint Views," The Sixth International Conference on Intelligent Information Hiding and Multimedia Signal Processing, Darmstadt, Germany, October 15-17, 2010.

[55]**I-Cheng Chang*** and Chia-We Hsu, "Multi-Layer based Video Inpainting of Occluded Objects," Asia-Pacific Signal and Information Processing Association Annual Summit and Conference,

Sapporo, Japan, October 4-7, 2009.

[56]Shih-Yao Lin and **I-Cheng Chang***, "Dynamic Kernel-Based Progressive Particle Filter for 3D Human Motion Tracking," The Ninth Asian Conference on Computer Vision, Xi'an, China, September 23-27, 2009.

[57]**I-Cheng Chang***, Jia-Hong Yang and Jiun-Wei Yu, "Event Detection and Target Tracking Based on Co-operative Multi-camera System," IEEE International Conference on Consumer Electronics, Las Vegas Convention Center, United States of America, January 12-14, 2009.

[58] Shih-Yao Lin and **I-Cheng Chang***, "3D Human Motion Tracking Using Progressive Particle Filter," The 4th International Symposium on Visual Computing, Las Vegas, Nevada, United States of America, December 1-3, 2008.

[59] **I-Cheng Chang*** and Chia-We Hsu, "Enhanced Exemplar-based Method for Image Inpainting," The 10th International Conference on Signal and Image Processing, Kailua-Kona, United States of America, August 18-20, 2008.

[60]**I-Cheng Chang*** and Kun-You Cheng, "Content-Selection Based Video Summarization," IEEE International Conference on Consumer Electronics, Las Vegas Convention Center, United States of America, January 11-14, 2007.

[61] J.C. Wu, Y.S. Chen and **I-Cheng Chang***, "Approach of facial feature extraction for 3D face modeling," The International MultiConference of Engineers and Computer Scientists, Hong Kong, China, June 20-22, 2006.

[62]Chung-Ling Huang, Tian-Lin Yang and **I-Cheng Chang***, "Environment Matting of Transparent Objects Based on Frequency-Domain Analysis," The 6th Pacific-Rim Conference on Multimedia, Jeju Island, Korea, November 13-16, 2005.

[63]**I-Cheng Chang***, Bor-Tow Chen and Ching-Long Huang, "An On-hand 3D Acquisition Technique Based on Tri-aperture Lens Configuration," The 24th IASTED International Conference on Modeling, Identification, and Control, Innsbruck, Austria, February 16-18, 2005.

[64] Xinyi Jiang, Chun-Fa Chang, Wei-Yih Ho, Shitang Chen and **I-Cheng Chang**, "Recovery of Reflectance Properties for Merging Multiple 3D Scans," Proceedings of IEEE Fourth Pacific-Rim Conference on Multimedia, Singapore, December 15-18, 2003.

[65]Yuan-Hao Yeh, **I-Cheng Chang**, Ching-Long Huang and Wen-Jean Hsueh, "A Novel Robust and Material Adaptive 3D Imaging System," The 3rd IASTED International Conference on Visualization, Imaging, and Image Processing, Benalmádena, Spain, September 8-10, 2003.

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Imaging System with Color Structured Light," SPIE Photonics Asia, Shanghai, China, October 14-18, 2002.

（3）Local Conference Paper

[68] **I-Cheng Chang*** and Meng-Chieh Yu, "INNMRelighting: Lightweight Single-Image Scene Relighting with InceptionNeXt and Normal Map," 38th Conference of Computer Vision, Graphics, and Image Processing (CVGIP), Sanxia, Taiwan, Aug. 2025.

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[70] 廖虹宜、王柔懿、黃宥薰、楊栩函、**張意政***, 融合深度學習與動作偵測技術之智慧型遠距居家復健評估系統, Taiwan Academic Network Conference (TANET) & NCS，Oct. 2025.

[71]**I-Cheng Chang***, Min-Hsuan Lai, Andy Pramonoand and Betty Dewi Puspasari, Convolutional-Enhanced Linear Transformer for Plant Disease Recognition, *in the 37th IPPR Conference on Computer Vision, Graphics, and Image Processing,* Hualien, Taiwan, Aug. 2024.

[72]吳文彰、羅芷欣、王柏霖、劉彥霆、**張意政***, DeepFin: 基於深度學習之花紋海豚背鰭 Photo-ID 辨識, Taiwan Academic Network Conference (TANET), Oct. 2024.

[73] Dung-Ling Yu, **I-Cheng Chang**, Meng-Chieh Yu, Hsuen-Fu Lin, Chun-Hung Cho, Guan-Ting Pan, "Artificial Intelligence-Assisted Hepatic Arterial Perfusion Imaging in Predication of Survival in Patients with Advanced Hepatocellular Carcinoma after Hepatic Arterial Perfusion Chemotherapy," Annual Conference of Society of Nuclear Medicine, Taichung Veterans General Hospital, Taichung, Taiwan, 2023.

[74]Su-Yu Kang and **I-Cheng Chang***, "Plant Diseases and Pests Recognition for Multiple-Leaf Images," *in the 36th IPPR Conference on Computer Vision, Graphics, and Image Processing*, 2023.

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[78]Ying-Chen Yeh, **I-Cheng Chang***, and Teddy Lu, "A Virtual Museum with Interactive Painting Style Transfer," ITAOI 2021, National Quemoy University, May 28-29, 2021.

[79]Xiang-Fu Liao, Zih-Han Luo, Bo-Ru Li, Zheng-Hua Xu and I-Cheng Chang*, "Forgery Detection for JPEG Images," National Computer Symposium, Hualien, Taiwan, December 14-15, 2017.

[80]I-Cheng Chang*, Zong-Sing Wun and Hung-Yu Yeh, "Image Inpainting for Chinese Paintings," The 11th Cross-Strait Conference on Information Science and Technology, Hualien, Taiwan, December 13-15, 2017.

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陳書熙 和 張意政*，〈使用時間與空間關係之影片修補技術〉《第十四屆離島資訊技術與應用研討會》，臺灣，Penghu，2015年五月22-23日。

[84]Ze-Jhih Chen, I-Cheng Chang*, Guan-Jhih Chen and Yu-Chen Hu, "Video Tooling with Special Effects Based on Human Motion Analysis," The 27th IPPR Conference on Computer Vision Graphics and Image Processing (CVGIP 2014), Pingtung, Taiwan, August 17-19, 2014.

[85]Yu-You Wen, I-Cheng Chang* and Zhe-Sheng Lu, "Recognition of Table Tennis Skill," The 26th IPPR Conference on Computer Vision Graphics and Image Processing (CVGIP 2013), Yilan, Taiwan, August 18-20, 2013.

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Inpainting," Computer Graphics Workshop, Kaohsiung, Taiwan, November 10-11, 2007.

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[96]Yuan-Hao Yeh, **I-Cheng Chang***, Ching-Long Huang and Wen-Jean Hsueh, "An Adaptive 3D Imaging System Using Color Structured Light," Computer Graphics Workshop, Hualien, Taiwan, August 9-10, 2003.

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（5）Technique Report

[103]張意政、葉元豪 、 黃清隆，(2002年2月發行)〈Integrated 3D Camera Technology〉，《工業技術研究院》。
[104]張意政 、葉元豪，(2002年2月發行)〈Integrated 3D Camera Technology〉，《工業技術研究院》。
[105]張意政 、 黃清隆，(2001年2月發行)〈高速三次元表面幾何量測計劃第三年技術報告〉，《工業技術研究院》。
[106]陳博濤、張意政、謝昆堅 、 黃清隆，(2000年2月發行)〈高速三次元表面幾何量測計劃第二年技術報告〉，《工業技術研究院》。
[107]陳博濤、張意政 、 謝昆堅，(1999年2月發行)〈高速三次元表面幾何量測計劃第一年技術報告〉，《工業技術研究院》。

三、學術獎勵及榮譽事項

（1）國內外之成就與榮譽

- 2026 受邀擔任 **Adjunct Professor** in UM university, Indonesia.
- 2024.10 – 2026.10 擔任「中華民國影像處理與圖形識別學會」第 18 屆**理事**
- 2025 **Best Paper Award** of 8th International Conference on Knowledge Innovation and Invention 2025 (ICKII 2025), Fukuoka, Japan.
- 2025 **優秀論文獎** 台灣網際網路研討會暨全國計算機會議（TANET＆NCS），宜蘭大學。
- 2025 **Keynote Speaker** at the 2025 IEEE 11th Information Technology International Seminar (ITIS), Mataram, Indonesia
- 2025 國立東華大學 高教深耕彈性薪資獲獎
- 2024 **Best Paper Award** of Taiwan Academic Network Conference (TANET)
- 2024 財團法人中技社「**中技社 AI 創意競賽**」**佳作**
- 2024 國立東華大學 高教深耕彈性薪資獲獎
- 2024 Program Chair, 37th Conference on Computer Vision, Graphics, and Image Processing (CVGIP 2024)
- 2023 **Best Paper Award** of Taiwan Academic Network Conference (TANET)
- 2023 國立東華大學 高教深耕彈性薪資獲獎
- 2022 財團法人中技社「**中技社 AI 創意競賽**」佳作
- 2022 獲得國立東華大學 理工學院 **優良教師**
- 2022 國立東華大學 高教深耕彈性薪資獲獎
- 2020 Program Co-chair, The 17th International Conference on Automation Technology (Automation 2020), Hualien, Taiwan.
- 2018 **Excellent Paper Award** of the 11th International Conference on Ubi-Media Computing and Workshops (International Workshop on Machine Learning on Multimedia Applications), Nanjing, China, 2018.
- 2017 **Best Paper Award** of IEEE Big Data Workshops: The 4th International Workshop on Pattern Mining and Application of Big Data (BigPMA 2017), Boston, USA.
- 國立東華大學研究成果獎勵 2016/2017/2019/2020/2021/2022/2023/2024/2025
- 2013 經濟部國家產業創新獎-**年度科專楷模獎** 計畫團隊參與教授
- 2013 國立東華大學理工學院**優良教師**
- 2003 工研院**研究成就金牌獎**
- 2003 工研院光電所**考績優等**

- ◆ 2003 **Annual Best Paper award** of Journal of Information Science and Engineering
- ◆ 2002 工研院光電所**光電之星**
- ◆ 2002 工研院光電所**研究成就金牌獎**
- ◆ 2001 工研院光電所**前瞻研究銀牌獎**
- ◆ 2002 工研院光電所**優良研究記錄簿獎**
- ◆ 2002 工研院光電所**優良研究資料獎**
- ◆ 2001 工研院光電所**優良研究資料獎**
- ◆ 2001 工研院光電所**優良研究記錄簿獎**
- ◆ 2000 工研院光電所**優良研究資料獎**

（2）協助產業發展績效

- ◆ 2025 與門諾醫院共同探討利用PET-CT影像進行頭頸癌移轉淋巴的研究。
- ◆ 2024協助瑞穗鄉吉林茶園建構茶園智慧管理系統與分析（此項計畫獲得花蓮縣「青年鏈結地方產業專題計畫」輔助）。
- ◆ 2024 舉辦CVGIP 2024電腦視覺、圖學與影像處理研討會
- ◆ 2023 與門諾醫院游冬齡副院長共同合作以深度學習模型為核心開發肝癌病患存活時間預測研究，並發表論文於2023核醫年會。
- ◆ 2021~2022 執行花蓮縣地方型SBIR計畫「花蓮地區文旦產業智能化病蟲害導入計畫」，協助廠商建置文旦病蟲害偵測系統。
- ◆ 2020~迄今 擔任擔任東華大學育成中心企業輔導顧問。
- ◆ 2017~2021 擔任「東台灣數位綠色經濟提升之混合實境創新技術與應用」共同主持人與子計畫主持人，以花蓮地區為標的，開發農園監控系統及病蟲害辨識系統。
- ◆ 2019~2021 與花蓮縣鶴岡文旦運銷合作社合作開發病蟲害辨識系統。
- ◆ 2018~2019 協助花蓮縣小農設置農田監控系統。
- ◆ 2015~2016 協助樂透遊戲公司開發人臉辨識系統。
- ◆ 2012~2014擔任中華民國影像處理與圖形識別學會第十二屆秘書長，協助學會推動學界與業界的交流與互動。
- ◆ 2008～2012 參與經濟部科專計畫「以視覺為基礎之智慧型環境的建構四年計畫(第2期)」，並於技轉說明會發表技術成果。此計畫獲得2013經濟部國家產業創新獎-年度科專楷模獎。
- ◆ 2010～2011擔任計畫共同主持人，執行科學工業園區研發精進產學合作計畫。
- ◆ 2009～2010擔任學界關懷計畫主持人，輔導廠商法太全景媒體有限公司進行全景攝影之理論建構與技術開發。
- ◆ 2009～2011於東華大學育成中心擔任企業輔導顧問。

- 2010 擔任計畫主持人，執行國立東華大學育成中心及廠商法太全景媒體有限公司產學合作計畫。
- 3D取像技術獲三項專利：台灣（2006）、大陸（2008）、及美國（2008）專利。
- 2006～2007與先捷科技合作進行國科會小產學計畫。
- 2007～2008與先捷科應合作進行國科會小產學計畫。
- 2005～2006 執行工研院產學合作計畫。
- 2004～2007擔任東華大學育成中心企業輔導顧問輔導。

（3）在人才培育、研究團隊建立及服務方面的重要貢獻及成就

- 2025 指導學生獲得Best Paper Award of International Conference ICKII 2025, Japan
- 2025 指導學生獲得優秀論文獎Tanet&NCS 2025
- 2025 指導學生Andy Pramono獲得Best Presentation Award of 9th International Conference on Electrical, Electronics and Information Engineering (ICEEIE) “, Indonesia
- 2025 指導學生阮明莊同學獲得國科會大專學生研究計畫專題研究創作獎
  - DietAdvisor: A nutrition system based on object detection and predictive regression techniques
- 2025 指導學生獲得國科會大學部專題研究計畫4件
  - 專題名稱：JAAB: Multi-Stage Pipeline for Jotting and Assessing Actions in Boxing
    - 計畫編號：114-2813-C-259 -049 -E
  - 專題名稱：居家復健智能評估系統:基於深度學習之3D骨架評分及視覺化回饋
    - 計畫編號：114-2813-C-259 -045 -E
  - 專題名稱：DeflareCam：針對移動平台鏡頭眩光之深度學習解決方案
    - 計畫編號：114-2813-C-259-048-E（共同指導）
  - 專題名稱：StyleVision: AI-Integrated Wardrobe Stylist
    - 計畫編號：114-2813-C-259 -047 -E（共同指導）
- 2025 指導學生專題計畫國立東華大學資工系大學部專題競賽計三組獲獎，一組優勝、二組佳作。
- 2024 指導學生參加財團法人中技社「AI創意競賽」獲佳作與獎金5萬元。
- 2024 指導學生獲得Tanet 2024大會最佳論文
  - 「DeepFin: 基於深度學習之花紋海豚背鰭Photo-ID辨識」
- 2024 指導學生獲得花蓮縣「青年鏈結地方產業專題成果補助計畫」
  - 花蓮在地飲食顧問: 基於機器學習的食物營養分析及推薦系統
  - 智慧茶園管理系統：田野管理APP與無人機觀察整合方案

- 海豚保育之智慧型觀測系統：結合深度學習之花紋海豚 Photo-ID 輔助辨識技術

◆ 2024 指導學生獲得國科會大學部專題研究計畫3件

- 專題名稱：Deepfin：基於深度學習之花紋海豚背鰭Photo-ID辨識
  - 計畫編號：NSTC 113-2813-C-259-011-E
- 專題名稱：DietAdvisor: A nutrition system based on object detection and predictive regression techniques
  - 計畫編號：NSTC 113-2813-C-259-033-E
- 專題名稱：以 3D Gaussian Splatting技術為場景建構核心之沉浸式3D導覽系統
  - 計畫編號：NSTC 113-2813-C-259-012-E（共同指導）

◆ 2024 指導學生參加國立東華大學資工系大學部專題競賽獲獎，一組第二名、二組佳作。

◆ 2023 與花蓮門諾醫院合作開發肝癌病人存活時間預測系統，培訓學生將人工智慧應用於臨床醫學。

◆ 2023 指導學生獲得花蓮縣「青年鏈結地方產業專題成果補助計畫」

- 「智慧醫療：肝動脈灌注顯影使用人工智慧預測病患預後狀況」
- 「花蓮嬰兒安全新里程碑：結合深度學習和物聯網的自動化嬰兒安全偵測系統」

◆ 2023 指導學生獲得Tanet 2023最佳論文獎

- 「結合深度學習與物聯網之嬰兒安全偵測系統」

◆ 2023 指導學生獲得國科會大學部專題研究計畫

- 「基於卷積神經網路之嬰兒安全偵測系統」 林芷萱
- 計畫編號： 112-2813-C-259-013-E

◆ 2023 指導學生參加國立東華大學專題競賽獲獎

- 第三名 「躍然紙上：從平面到立體之印象派3D人物模型建構暨動態化」
- 佳作 「結合深度學習與物聯網之嬰兒安全偵測系統」
- 佳作 「基於深度學習之臉部辨識點名系統」

◆ 2022 指導學生參加國立東華大學專題競賽獲佳作

- 「Robust Automatic Video Matting on Website Service」

◆ 2022 指導學生獲得科技部大學生專題計畫

- 「用於圖像復原之高效U型Transformer」余慶龍
- 2022/07/01~2023/02/28 111-2813-C-259-034-E

◆ 2021指導學生參加財團法人中技社「AI創意競賽」獲得佳作與獎金伍萬元。

- 「即時農作物病蟲害辨識與農藥推薦系統」

- 2021指導大學部學生參與國立東華大學專題競賽獲得佳作
  - 「基於深度學習之自動化3D可動人物模型生成系統開發」
- 2020指導兩組大學部學生參與國立東華大學專題競賽均獲得佳作
  - 「互動式虛擬畫風轉換之美術館」
  - 「AR 互動式導覽系統」
- 2019 指導大學部學生參與國立東華大學專題競賽
  - 「智慧型雲端即時監控系統」獲佳作
- 2016指導兩組大學部學生參與國立東華大學專題競賽，各獲得優等與佳作
- 2016 指導學生榮獲第五屆全國大專校院 ITSA 盃程式設計桂冠挑戰大賽 闖關組佳作
- 2016 指導大學部學生獲得國科會大學生研究計畫
  - 3D 虛擬試衣系統之研究與開發 馬柚拉(國際班學生)
  - 2016/07/01~2017/02/28 105-2815-C-259-026-E
- 2014 指導大學部學生獲得國科會大學生研究計畫
  - 監督學習之互動式智慧系統 呂信緯
  - 2014/07/01 ~2015/02/28
- 2013 指導大學部學生獲得國科會大學生研究計畫
  - 基於 3-D 人體追蹤結合力道偵測與鼓聲校正技術之互動式擬真爵士鼓系統 林韋任
  - 2013/07/01~2014/02/28
- 2013 指導大學部學生參與國立東華大學專題競賽，獲優等及佳作
- 2012 指導大學部學生參與國立東華大學專題競賽，獲優等
- 2011 指導兩組大學部學生參與國立東華大學專題競賽，均獲得優等

四、 具有學術行政經驗之概述及推動本院未來學術行政之構想

（一）學術行政經驗概述

本人於2022年2月起擔任資工系系主任，並在同年8月起兼任理工學院副院長。在副院長任內，鑑於國際化招生的重要性與學校國際化的推動方向，整合應用數學系與資訊工程學系的教學資源共同成立「大數據國際班」，並於2024開始招生，今年大數據班將邁入第三屆。

在系主任任內，除系所日常事務運作外，任內推動任務包含：

1. 國際化方面事務

- 與財團法人國際合作發展基金(ICDF)長期合作，任內除原本長期合作之「資訊工程學系全英學士學位學程計畫」(獎學金)外，還新增以下項目：
  - 2022年開辦拉丁美洲地區「資訊類證照培訓專班」
    針對拉丁美洲8個友邦國家(貝里斯、聖露西亞、聖克斯多福及尼維斯、聖文森及格瑞那丁、瓜地馬拉、宏都拉斯、巴拉圭、海地)進行 MongoDB 及 Linux RedHat CSA 課程培訓，並輔導友邦人才考專業證照，共訓練248人次，總計畫經費618萬元。
  - 2024年通過研究所獎學金「人工智慧與創新應用碩士全英學程」申請，自114學年開始執行，第一屆外加獎學金生共6位，經費730萬4仟元。
  - 加入臺歐獎學金碩士學位學程
    自115學年開始招收東歐六國(阿爾巴尼亞、捷克、立陶宛、科索沃、波蘭、斯洛伐克)獎學金碩士生，每年約4-6位。
  - 協助國合會在東華成立「東部訓練中心」
    基於多年合作基礎與既有夥伴關係，國際合作發展基金會（國合會）主動接洽，規劃於國立東華大學設立「東部訓練中心」，作為國合會推動國際人才培訓與交流之重要據點。
  - 協助媒合東華大學國際處推動教育部「青年百億海外圓夢計畫」(推動青年國際交流與培力）
- 2023年應邀赴馬來西亞辦理「沙巴資訊工程精英營」
  於沙巴地區辦理短期課程培訓50位中學青年，培訓人50人參加，並與當地教育局進行合作交流。
- 推出四支國際招生影片提升國際能見度與多元學習形象
  為提升國際招生及東華資工能見度，任內共籌備拍攝四支招生影片，影片重點呈現國際學生的學習經驗，並呈現跨文化交流的互動場景本籍學生為輔，呈現資工系多元國際學習環境。

- 深化與印尼大學的合作
  - 2024 訪問**印尼電腦與資訊學院協會** APTIKOM（Association of Indonesian Computer and Informatics Colleges）並與多所大學簽訂備忘錄。
  - 2025 受邀擔任 keynote speaker, IEEE 11th Information Technology International Seminar (ITIS), Mataram, Indonesia.
  - 2026 受邀擔任 Adjunct professor, Universitas Negeri Malang, Indonesia.
- 與美國 Sam Huston University 交流活動
  - 2023年 簽署合作意向書
  - 2026年 即將簽訂碩士雙聯學位

2. 籌辦兩次大型研討會，國際研討會（ICKII 2022.8）與國內研討會（CVGIP 2024.8），擴大資工系能見度。
3. 本籍生／外籍生企業參訪
   - 2022年 參訪中華電信學院(混合型)
   - 2024年 參訪台泥公司(外籍生)
   - 2024年 參訪廣達電腦(本籍生)
   - 2025年 參訪台積電創新館(外籍生)
4. 資工系學生規模的擴展與照顧
   - 學生總人數的增長

   表一為歷年學生人數。值得注意的是：因113年度學生人數突破800人，故在114年限制外籍生與轉學生的入學人數，來將學生總人數降低。

表一、歷年學生人數

學年	本籍生	外籍生	總人數
110	397	150	575
111	433	196	629
112	511	203	714
113	585	250	835
114	556	230	786

   - 建立系所組織分工，對本籍生及外籍生學業生活照顧更加完善。
   - 成立不同型態之課業輔導班
     - 暑期先修(微積分、程式設計)
     - 夜間課輔班
     - 寒假加強班
     - 讀書會
5. 學生學習空間建置
   - 大型 AI 電腦教室

■ 資工系圖書館

（二）推動理工學院學術行政之理念

國立東華大學（NDHU）理工學院院長，是一項兼具挑戰與成就感的公共責任。理工學院長期以來在東台灣學術圈具有指標性地位，並以扎實的基礎科學研究傳統為根基，逐步發展工程與應用領域之整合能量。

面對高教環境快速變遷、少子化衝擊、研究資源競逐與產業需求轉型，院長的角色不僅是行政管理者，更是凝聚共識、引領方向的學院領航者。院長的核心任務在於統整並平衡三項關鍵能力，學術領導力、資源整合力、行政協調力，以制度化治理與策略性布局，帶領理工學院邁向更具影響力與競爭力的下一階段發展。

然而，理工學院目前仍處於地震災後復原與重建的關鍵期。理工一館、化學新館、物理新館正同步進行整修與新建，教學研究空間、實驗室配置、儀器設備遷移與安全管理等議題交織並進，牽動各系所的教學品質與研究動能。在此情勢下，如何在時程與資源限制中，有效整合校方資源與各系所需求、建立透明且可執行的重建協調機制、確保重建期間教研不中斷並為後續發展預留彈性，已成為當前最迫切且優先的治理任務。

圖一呈現理工學院「卓越飛輪」之概念架構，強調以制度、資源與人才相互驅動，形成持續累積的成長動能。以下將依據該架構，分就四個發展方向進行說明：

圖一、理工學院卓越飛輪

1、 學術研究與國際影響力提升

身為理工學院院長，首要責任是強化整體研究能量並提升學院在國內外的學術能見度，進一步建立可持續的研究發展體系。

（a）跨領域整合與研究群聚

- 鼓勵系所間以共同議題形成跨域研究團隊，提升合作密度與成果品質。
- 規劃成立學院級研究中心或研究主題群，統籌共同空間、設備與行政支援。
- 以學院為單位推動大型計畫布局，積極爭取國科會重大專案（如特色領域研究中心等），提升整體研究資源與量能。

（b）強化國際合作與學術聲量

- 推動與國外知名大學建立更具實質性的合作模式，如雙聯學位、交換學生、共同指導與短期訪問計畫。
- 爭取主辦具影響力的國際學術會議或工作坊，提升東華理工在亞太地區的曝光度與學術連結。
- 鼓勵教師參與國際學會與研究網絡，擴大合作面向並提升學院品牌。

（c）論文品質與技術轉化並重

- 在重視論文產出的同時，更強調研究品質、影響力與跨域貢獻。
- 鼓勵產學合作與專利布局，協助教師將研究成果制度化地推進專利申請與技術移轉。

2、產學合作與資源爭取

在現行經費體制與競爭環境下，院長需具備出色的對外連結能力與資源開發策略，協助學院拓展研究與教學之財務彈性。

（a）產業對接與合作平台化

- 強化與科學園區及在地產業的連結（如能源、精密機械、資通訊等），建立長期合作關係。
- 推動企業委託研究、共同研發與人才培訓方案，形成正循環。

（b）校友網絡與募款規劃

- 建立學院級傑出校友聯繫平台，定期舉辦校友論壇、返校演講與產學媒合活動。
- 爭取企業與校友捐贈資源，支持學院發展重點：冠名講座、實驗室設備更新、學生獎學金與競賽基金等。
- 以透明、可追蹤的方式呈現資源使用效益，提升外部支持的持續性。

（c）結合 SDGs 與地方特色爭取專案

- 善用東華地理與環境特色，結合綠能、環境科學、韌性治理等議題，打造永續科研與教學的發展方向。
- 與永續中心合作，爭取政府永續發展相關資源與跨部會計畫，擴大學院在地方創生與社會實作的影響力。

3、教學創新與人才培育

面對少子化與產業快速變遷，理工教育需從「知識傳授」走向「能力培養」，以提升學生

競爭力並穩定招生與教學品質。

（a）跨領域學程推動

- 因應台灣產業的半導體與AI方向，人才培訓，整合院內師資與課程資源，推動「半導體國際學程」或「AI跨領域應用專題」等跨系模組化學程。
- 強化專題實作與實習銜接，導入業界題目與合作機制，提升學生就業與升學競爭力。

（b）EMI全英語授課環境建置

- 配合教育部政策，循序提升EMI課程比例，並搭配教學支援制度（TA、教材共備、學習輔導）確保品質。
- 以EMI提升國際學生吸引力，強化國際招生能力，逐步形成多元國際化學習環境。

（c）新進老師輔導機制

- 建立合適的支持機制，強化課程回饋與教學資源分享。
- 關注新進教師研究與職涯發展，推動青年導師制度與研究啟動支持，降低人才流失風險。

4、行政優化與校園治理

院長是系所與校方、教師與學生間的重要橋樑，需兼顧效率、制度與公平，建立可持續的治理文化。

（a）空間與設備共享

- 推動「儀器設備共享平台」，整合各系所資源共同建置高價儀器設備，提高使用效率並降低重複採購。
- 透過集中管理與技術支援，提升研究效能與設備維護品質。

（b）院務公開透明與共識治理

- 建立公平、可追溯的資源分配機制（如空間分配、經費核撥、設備更新等），以制度取代不確定性。
- 定期召開院務會議與意見交流，凝聚全院共識，強化信任與協作。

（c）環境安全與永續管理

- 強化理工實驗室職安衛管理與教育訓練，建立定期稽核與改善流程，確保研究環境安全，讓安全與永續成為學院治理的基本底座。

五、 推薦人名單（請列舉最少5位推薦人，推薦人親自簽名或檢具推薦函，推薦人不得重複推薦）

推舉人列表

	服務單位/職稱	姓名	連絡方式 (電話/電子郵箱)	專長、領域