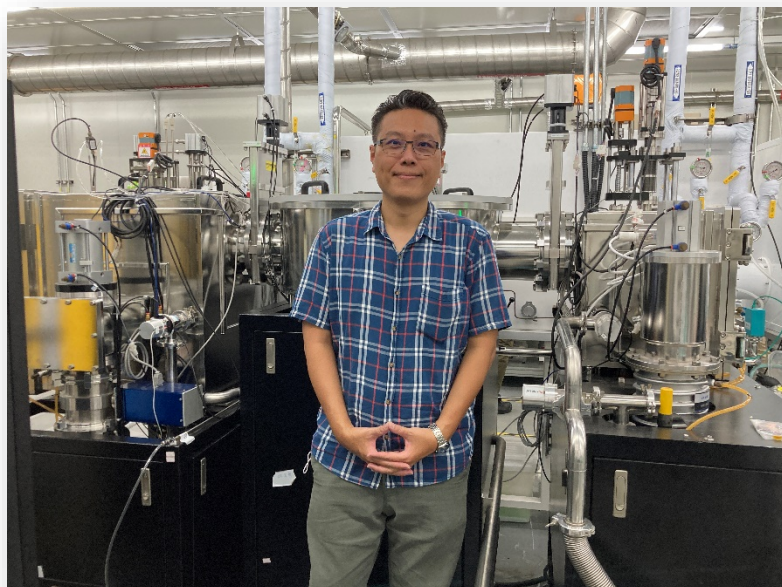


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Google scholar: <https://scholar.google.com/citations?user=QAdEKhsAAAAJ&hl=zh-TW>
分 機： 23288

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 22. YONG-LIN XIE, YU-HENG XIA, ZHI-XIANG CHEN, CHI-DA YANG, YU-HUNG CHEN , “Effect of sputtering power and substrate temperature on the properties of copper oxide thin films prepared radio frequency magnetron sputtering technique”, the 21th Conference on Microelectronics Technology and Applications (2023 微電子技術發展與應用研討會論文集), p.124-p.129, May/2023. (ISBN: 978-986-06557-9-7)
 23. WAN CHUN LIN, YU JIE HSU, GUAN LIN SU, REN WEI JHENG, CHI-DA YANG, YU-HUNG CHEN, “Effect of elevated substrate temperature on the structural and optical properties of RF magnetron sputtered ZnO films”, the

21th Conference on Microelectronics Technology and Applications (2023 微電子技術發展與應用研討會論文集), p.130-p.134, May/2023. (ISBN: 978-986-06557-9-7)

D. Invention Patent(專利發明)

(國外: 發明型專利/已獲證)

1. Yu-Hung Chen, Jun-Chin Liu, Chun-Heng Chen, "Method for manufacturing P-I-N microcrystalline silicon structure for thin-film solar cells", **Patent No.: US 8,557,041 B1, United States Patent, Oct. 15, 2013.** (美國)
2. Jun-Chin Liu, Yu-Hung Chen, Chien-Liang Wu, Yu-Ru Chen, Yu-Ming Wang, "Method of manufacturing thin film solar cells," **Patent No.: US 8,772,071 B2, United States Patent, Jul. 8, 2014.** (美國)
3. Jun-Chin Liu, Yu-Hung Chen, Chien-Liang Wu, Yu-Ru Chen, Yu-Ming Wang, "Manufacturing process of thin film solar energy batteries," **Patent No.: 5589008, JAPAN Patent, Sep. 26, 2014.** (日本)
4. Yu-Hung Chen, Jun-Chin Liu, Yung-Tsung Liu, Chun-Heng Chen, "HETERO-JUNCTION TYPE SOLAR BATTERY STRUCTURE," **Patent No.: 5864660, JAPAN Patent, Feb. 17, 2016.** (日本)
5. Yu-Hung Chen, Jun-Chin Liu, Yung-Tsung Liu, Chun-Heng Chen, "HETERO-JUNCTION TYPE SOLAR BATTERY STRUCTURE," **Patent No.: 6066231, JAPAN Patent, Jan. 25, 2017.** (日本)
6. 刘俊岑, 陈玉鸿, 吴建良, 陈毓儒, 王裕铭, "薄膜太阳能电池的制法", 中华人民共和国专利, 證書號: 201110379070.9), 公告/公開日: 2016/12/14 (中國大陸)
7. 陈玉鸿, 刘俊岑, 刘永宗, 林宸澄, "异质结太阳能电池(1)", 中华人民共和国专利, 證書號: 201310654869.3), 公告/公開日: 2017/11/21 (中國大陸)
8. 陈玉鸿, 刘俊岑, 刘永宗, 林宸澄, "异质结太阳能电池(2)", 中华人民共和国专利, 證書號: 201610659357), 公告/公開日: 2017/12/08 (中國大陸)
9. Kuo-Wei Huang, Yung-Liang Tung, Shin-Hsiung Wu, Jen-An Chen, Pei-Ting Chiu, Yu-Hung Chen, "Perovskite film and manufacturing method thereof", **Patent No.: US 11,271,157 B1, United States Patent, Mar. 8, 2022.** (美國)

(國內: 中華民國發明型專利/已獲證)

1. 黃國璋, 童永樑, 吳世雄, 陳壬安, 邱培庭, 陳玉鴻, "鈣鈦礦膜及其製造方法", 中華民國專利, 證書號: I753551, 公告/公開日: 2022/01/21
2. 陳玉鴻, 劉俊岑, 劉永宗, 林宸澄, "異質接面太陽電池結構", 中華民國專利, 證書號: I469380, 公告/公開日: 2015/1/11

3. **陳玉鴻**，劉俊岑，陳俊亨，“一種薄膜太陽能電池之 P-I-N 微晶矽結構及其製法”，中華民國專利，證書號：**I455343**，公告/公開日：**2014/10/01**
4. 劉俊岑，**陳玉鴻**，吳建良，陳毓儒，王裕銘，“薄膜太陽能電池之製法”，中華民國專利，證書號：**I451580**，公告/公開日：**2014/09/01**

E. Award (獲獎紀錄)

1. **2026** 年第二十四屆微電子技術發展與應用研討會半導體暨封裝組「**優等**」
2. **2026** 年國立高雄科技大學電機與資訊學院學生專題實務專題製作競賽電機電子組「**佳作**」
3. **2025** 年 113 學年度國立高雄科技大學「**績優實習輔導老師**」
4. **2025** 年第一屆鈣鈦礦校園創意競賽「**銅獎**」
5. **2025** 年 113 學年度國立高雄科技大學電機與資訊學院「**院級優良導師**」
6. **2025** 年國立高雄科技大學電機與資訊學院電機電子組實務專題競賽「**佳作**」
7. **2024** 年國立高雄科技大學電機與資訊學院電機電子組實務專題競賽「**優勝**」
8. **2022** 年台灣電子材料與元件協會(EDMA)「**傑出青年獎**」
9. **2022** 年再生能源與國家安全學術研討會「**論文競賽優選獎**」
10. **2022** 年 PV Award 太陽光電創新應用產品設計競賽「**入選獎**」
11. **2022** 年新竹縣產業總工會「**111 年度模範勞工**」
12. **2022** 年工研院院級第二屆 2030 跨域議題海選「**優勝**」
13. **2021** 年工研院綠能所創意發想「**點子計畫獎**」
14. **2021** 年工業技術研究院專利地圖分析與布局競賽「**冠軍**」
15. **2020** 年全球百大科技研發獎 (**R&D 100 Awards**)
16. **2019** 年工業技術研究院 108 年全院級之「**傑出研究獎**」
17. **2016、2017、2018、2019** 年國立暨南國際大學「**教學評量獎(得分前 10%課程)**」
18. **2013** 年世界名人錄 (**Marquis Who'sWho in the World**)
19. **2012** 年內政部研發替代役制度「**100 年度績優研發替代役役男**」
20. **2008** 年國立中興大學工學院九十六學年度學生論文競賽「**優等獎**」
21. **2007** 年日月光公司之日月之光菁英論文獎「**佳作**」
22. **2005** 年台灣光電科技研討會「**學術壁報論文獎**」
23. **2005** 年中華民國斐陶斐榮譽學會「**榮譽會員**」

F. Academic services(學術服務)

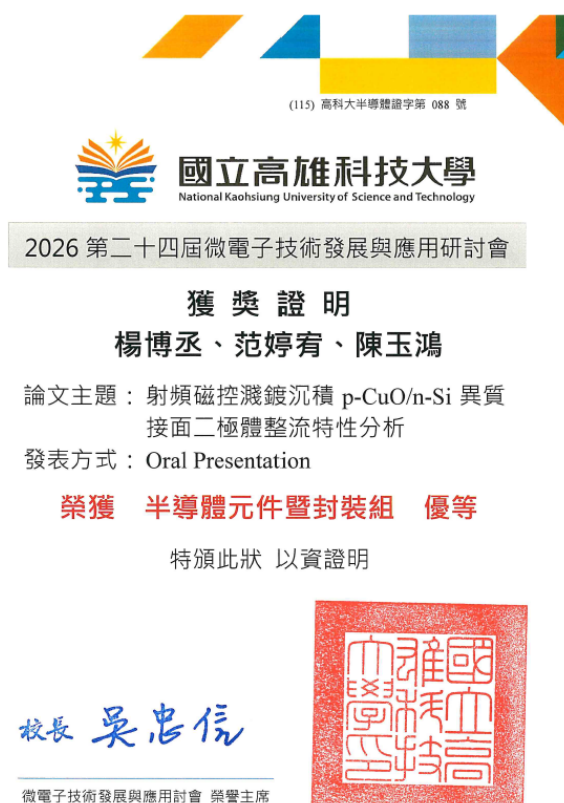
1. 台灣半導體產業協會(Taiwan Semiconductor Industry Association, TSIA)產學委員會「產學校園大使」
2. 台灣電子材料與元件協會(The Electronics Devices and Materials Association, EDMA)，候補理事
3. 中國電機工程學會高雄市分會(The Chinese Institute of Electrical Engineering, CIEE.KH)，永久會員
4. 台灣電子材料與元件協會(The Electronics Devices and Materials Association ,EDMA)，永久會員
5. **特別議程主持人**，特別議程主題：Sensor Technologies and Semiconductor Devices, 2026 數位生活科技研討會 Symposium on Digital Life Technologies (DLT-2026), 嘉南藥理大學, 2026 年 5 月 22 日~5 月 23 日.
6. **SCIENTIFIC PROGRAM COMMITTEE**, 2026 International Conference on Physics and Mechanics of New Materials and Their Applications (PHENMA 2026), Busan, Korea, July 15-18, 2026.
7. **Scientific Program Committee**, Advanced Materials Development and Performance 2026 (AMDP 2026), Korea, July 15-18, 2026.
8. **SCIENTIFIC PROGRAM COMMITTEE**, 2025 International Conference on Physics and Mechanics of New Materials and Their Applications (PHENMA 2025), Kitakyushu, Japan, Sep. 27-30, 2025.
9. **Section chair**, Special section 4: Nano Semiconductor Materials, International Workshop on Consumer Electronics (2024 iWCE), Lunghwa university of science and technology, Taoyuan City, Taiwan, Nov. 22-23, 2024.
10. **Administration Co-chair / Local Organizing Committee**, International Electron Devices & Materials Symposium 2023 (IEDMS 2023), National Sun Yat-sen University, Taiwan, Oct. 18-19, 2023.
11. **SCIENTIFIC PROGRAM COMMITTEE**, 2023 International Conference on Physics and Mechanics of New Materials and Their Applications (PHENMA 2023), SURABAYA, INDONESIA, Oct. 03-08, 2023.
12. **Technical Program Member**, 2023 21st Conference on Microelectronics Technology and Application, National Kaohsiung University of Science and Technology, Taiwan, May 19, 2023.
13. **Technical Program Member and Session Chair**, International Electron Devices & Materials Symposium 2022 (IEDMS 2022), National Chi Nan University, Taiwan, Oct. 27-28, 2022.
14. **Technical Program Member**, Optics & Photonics Taiwan International Conference 2019 (OPTIC 2019), Taiwan, National Chung Hsing University, Dec. 5-7, 2019.

G. Public Sector Evaluation Committee Member(政府機構及法人審查委員)

1. 經濟部技術司 115 年度創新前瞻計畫學界分包-審查委員
2. 經濟部產業發展署 115 年度「第八屆綠色工廠標章技術」-審查委員
3. 經濟部產業發展署 115 年度「協助傳統產業技術開發計畫(CITD)」-技術審查委員
4. 經濟部產業發展署 115 年度「邊緣智慧晶片暨跨域模組應用實務人才-通識能力認證專家委員會」-學術界委員
5. 教育部 115 年促進產學連結合作育才平台-學術界委員
6. 國立中山大學半導體聯合實驗室 115 年度-營運管理委員
7. 財團法人國防工業發展基金會列管軍品級別認證評鑑中心-評鑑委員
8. 國科會工程處 114 年產學計畫-審查委員

H. Student Awards(指導學生獲獎)

1. 指導學生楊博丞、范婷宥同學參加 2026 年第二十四屆微電子技術發展與應用研討會半導體暨封裝組【**優等**】



中華民國 115 年 5 月 11 日

2. 指導學生江東潤、陳冠任、呂紹維同學參加 2026 年國立高雄科技大學電機與資訊學院學生專題實務專題製作競賽電機電子組榮獲【**佳作**】



3. 指導學生華葦蓁同學參加第一屆鈣鈦礦校園創意競賽榮獲【銅獎】



4. 指導學生馮鈺芯同學參加 114 年經濟部產業發展屬產學研工程人才實務能力卓越基地計畫實務專題成果發表會榮獲【卓越成果獎第一名】



5. 指導學生饒家銘同學參加 114 年經濟部產業發展屬產學研工程人才實務能力卓越基地計畫實務專題成果發表會榮獲【卓越成果獎第三名】



6. 指導學生楊庭安、陳勝安、陳冠宏同學獲得 The International Plasma Technology Joint Conference 2025 (IPTJC2025) : **【Honorable Mention Award】**



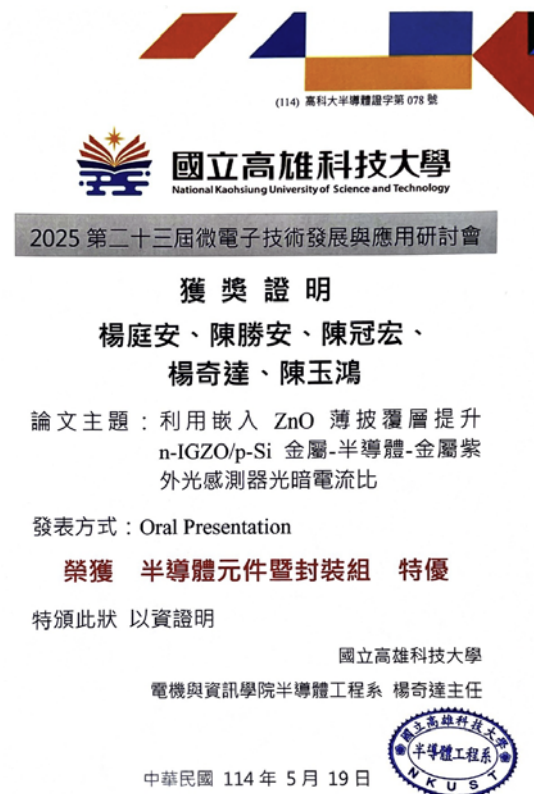
7. 指導學生楊庭安、陳勝安、陳冠宏同學參加 2025 年國立高雄科技大學電機與資訊學院學生實務專題製作競賽榮獲 **【電機電子組 佳作】**



8. 指導學生潘昭仁同學參加【2025 Symposium on Digital Life Technologies（數位生活科技研討會暨民生電子論壇）】榮獲【Best Poster Award】



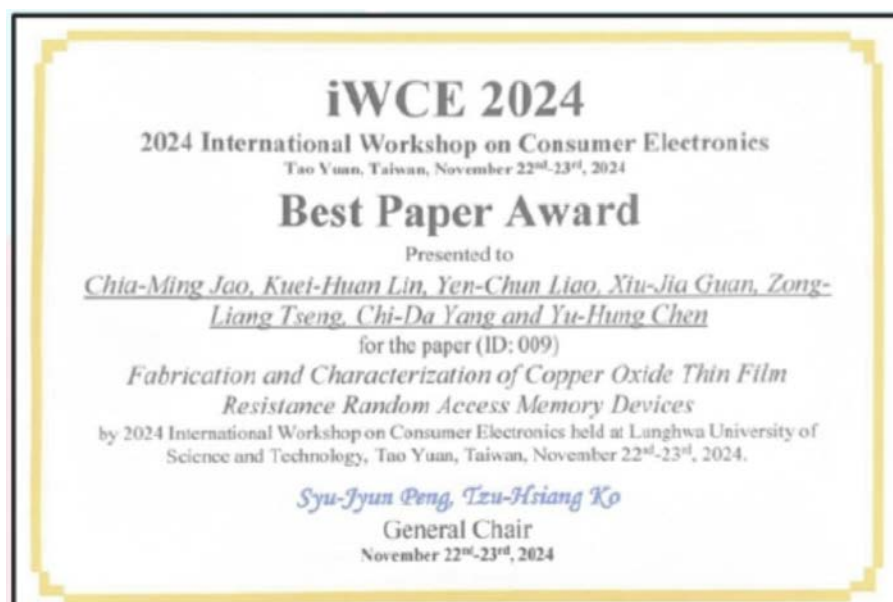
9. 指導學生楊庭安、陳勝安、陳冠宏同學獲得第 23 屆 2025 微電子技術發展與應用研討會-半導體元件暨封裝組榮獲【特優】



10. 指導學生郭百峻、陳志安、顏菴逸同學獲得第 23 屆 2025 微電子技術發展與應用研討會-半導體元件暨封裝組榮獲【優勝】



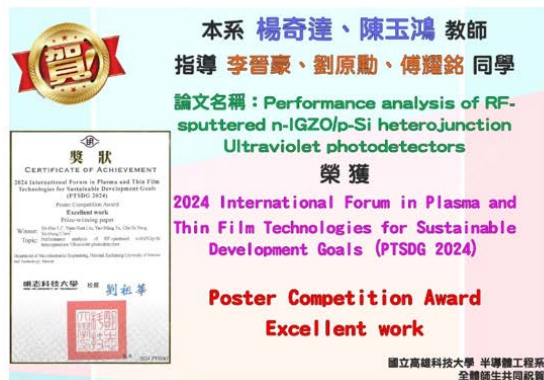
11. 指導學生饒家銘、廖彥鈞、林奎煥同學獲得 2024 International Workshop on Consumer Electronics (2024 iWCE) :【Best Poster Award】



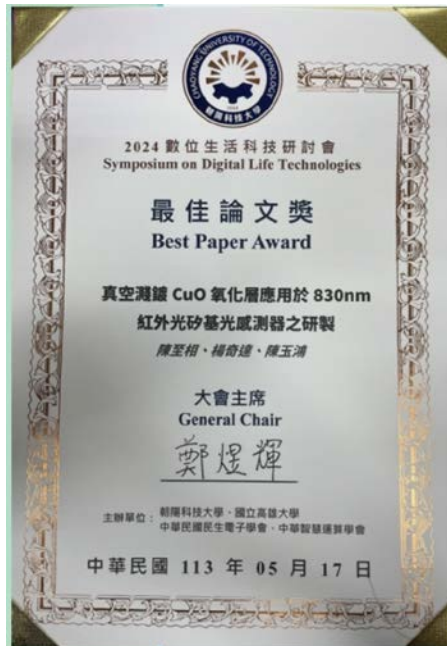
12. 指導學生饒家銘、夏峪珩、謝咏霖、廖彥鈞、林奎煥、陳至相同學參加 2024 年國立高雄科技大學電機與資訊學院學生實務專題製作競賽榮獲【電機電子組 優勝】



13. 指導學生李晉豪、劉原勳、傅耀銘同學獲得 2024 International Forum in Plasma and Thin Film Technologies for Sustainable Development Goals, PTSDG 2024 : **【Poster Competition Award Excellent Work】**



14. 指導學生陳至相同學參加【2024 Symposium on Digital Life Technologies (數位生活科技研討會暨民生電子論壇)】榮獲**【Best Poster Award】**



15. 指導學生謝咏霖(YONG-LIN XIE)、夏峪珩(YU-HENG XIA)、陳至相(ZHI-XIANG CHEN)同學獲得 2023 International Forum in Plasma and Thin Film Technologies for Sustainable Development Goals, PTSDG 2023 : **【學生海報大賽—佳作】**



16. 指導學生許誌顯、陳至相、陳亭佑、劉鴻禧同學獲得 International Conference on Smart Devices and Sustainable Energy (SDSE 2023) : **【Best Poster Award】**

