

# 師資介紹



## 張勝博 (CHANG, SHENG-PO)

職 稱： 助理教授  
最高學歷： 國立成功大學 微電子工程研究所 博士  
學術專長： 感測器元件、奈米科技、太陽能電池、原子層沉積技術、  
薄膜工程、光檢測器、薄膜電晶體、半導體工程  
分 機： 23369

### 參考資料目錄:

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- A. Referred International Journal Papers (國際期刊)
- B. International Conference Papers (國際研討會)
- C. 產官學研計畫案 (國科會、科技部)

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### A. Referred International Journal Papers (國際期刊)

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**B. International Conference Papers (國際研討會)**

- B1. Shi-Xiang Chen, Sheng-Po Chang\*, and Shoou-Jinn Chang, “Low-voltage operation of ultra thin TiO<sub>2</sub> resistive random access memory“, 10th International Symposium on Advanced Plasma Science and its Applications for Nitrides and Nanomaterials (ISPlasma 2018)/IC-PLANTS 2018, Meijo University, Nagoya, Japan, March 4-8, 2018.
- B2. MING-HUNG HSU, SHENG-PO CHANG\*, JYUN-YI LI, and SHOOU-JINN CHANG, “Influence of High-k Insulator on the Photo-electrical Properties of MgZnO Thin-Film Transistors“, 10th International Symposium on Advanced Plasma Science and its Applications for Nitrides and Nanomaterials (ISPlasma 2018)/IC-PLANTS 2018, Meijo University, Nagoya, Japan, March 4-8, 2018.
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- B4. Shi–Xiang Chen, Shoou–Jinn Chang, Sheng-Po Chang\*, Cheng-Han Lin , and Kuan-Jen Chen, “Two-bit-per-cell resistive switching memory device with ITO/Zn<sub>2</sub>TiO<sub>4</sub>/Pt structure“, The 7th International Conference on Microelectronics and Plasma Technology (ICMAP 2018), Songdo ConvensiA, Incheon, Korea, July 25-28, 2018.
- B5. Sheng-Po Chang\*, Cheng-Hao Chiu, Ming-Hung Hsu, Kuan-Yin Chen, and Shoou-Jinn Chang, “Influence of Oxygen on the Performance of Indium Tungsten Oxide UV Sensors“, 11th International Symposium on Advanced Plasma Science and its Applications for Nitrides and Nanomaterials (ISPlasma 2019)/IC-PLANTS 2019, Nagoya Institute of Technology, Nagoya, Japan, March 17-21, 2019.
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- B9. Wei-Lun Huang, Sheng-Po Chang\* and Shoou-Jinn Chang, “The Effect of the Active Layer Thickness on Performance of Indium Gallium Oxide Phototransistor“, 11th International Symposium on Advanced Plasma Science and its Applications for Nitrides and Nanomaterials (ISPlasma 2019)/IC-PLANTS 2019, Nagoya Institute of Technology, Nagoya, Japan, March 17-21, 2019.

C. 產官學研計畫案 (國科會、科技部)

- C1. 100 年度國科會計畫-利用熱氧化法於氮化鎵基板成長單斜氧化鎵奈米線並且應用於solar-blind 紫外光檢測器與氣體感 (NSC 100-2221-E-006-168 ; 2011/08/01~2012/07/31) 主持人
- C2. 101 年度國科會計畫-高性能氧化銦鎵鋅系列氣體感測器與光電晶體之研究 (NSC 101-2221-E-006-139 ; 2012/08/01~2013/07/31) 主持人
- C3. 102 年度國科會計畫-以異質磊晶方式原位成長二族氧化物與三族氮化物材料應用於化合物半導體元件之研究 (NSC 102-2221-E-168 -027 ; 2013/08/01~2014/07/31) 共同主持人
- C4. 103 年度科技部計畫-使用自組裝單層分子膜製程進行表面修飾之氧化鋅系列紫外光感測器 (MOST 103-2221-E-006 -098 ; 2014/08/01~2015/07/31) 主持人
- C5. 103 年度科技部產學合作計畫-藉由原子層沉積系統成長鈍化層改善異質接面太陽能電池轉換效率之應用研究 (MOST 103-2622-E-006-042 -CC3 ; 103/11/01~104/10/31) 主持人
- C6. 105 年度科技部計畫-應用自組裝單層分子膜製備氧化鋅鎂光檢測器 (MOST 105-2221-E-006-118 ; 105/08/01~106/07/31) 主持人
- C7. 106 年度科技部計畫-高性能氧化銦鎵紫外光檢測器與薄膜電晶體之應用 (MOST 106-2221-E-006-178 ; 106/08/01~107/07/31) 主持人
- C8. 107 年度科技部計畫-以磁控濺鍍法製備高性能之無鋅/鎵薄膜電晶體及其改善與應用 (MOST 107-2221-E-006-146 ; 107/08/01~108/07/31) 主持人
- C9. 110 年度科技部-前瞻顯示科技專案計畫-具智慧觸感互動之高解析度Micro LED顯示技術於混合實境手術及病理之應用 (MOST 110-2218-E-006-025 -MBK ; 110/05/01~111/04/30) 執行成員