

研究計畫

1. 模糊控制在自動插入組合之應用(I) -- 人類操作技能之擷取與運用，國科會
Application of Fuzzy Control to Insertions in Automatic Assembly
(I) – Acquisition and Implementation of Human Operation Technique, National Science Council, 1992.2~1993.1
2. 海底無人小艇控制模擬之研究，國科會
Study on Control and Simulation for Remotely Operated Vehicles, National Science Council, 1992.8~1993.7
3. 傳動系統整合性研究與發展：總計畫-高性能傳動系統控制技術之研發，國科會
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4. 傳動系統整合性研究-總計畫，國科會
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5. 傳動系統整合性研究-子計畫三：控制技術之研究，國科會
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6. 模糊控制在自動插入組合之應用(II)-教導與學習，國科會
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8. 高性能傳動系統控制技術之研發，國科會
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9. 熱軋精軋區張力控制器控制迴路之穩定性分析，中國鋼鐵股份有限公司

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10. 高速精密影像檢測系統之研製 (I) - 子計畫一：高速線性馬達控制器之設計，國科會

Development of a High-Speed Precise Image Inspection System
(I) – Sub-Project I: Controller Design for High Speed Linear Motors, National Science Council, 1997.8~1998.7

11. 被動式多遙軸順應性機構之裝配分析，國科會

Analysis of Peg Insertion for the Passive Multiple Remote Center Compliance, National Science Council, 1997.8~1998.7

12. 軋機速度控制迴路對張力控制器穩定性之影響，中國鋼鐵股份有限公司

Influence of the Mill Speed Control Loop on Stability of the Looper Controller, China Steel Corporation, 1998.1~1998.12

13. 高速線性馬達之精密定位控制(2/3)，國科會

Precise Positioning Control for High Speed Linear Motors (2/3), National Science Council, 1998.8~1999.7

14. 即時嵌入式控制系統之應用測試，工勤電機股份有限公司

Application Test of a Real-Time Embedded Control system, Cogent Electric Co. Ltd., 1998.11~1999.5

15. 主動式聲納對水下目標迴音信號特性研究，國科會

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16. AGC 及 FTC 控制迴路輸出對 LOOPER 穩定性之分析，中國鋼鐵股份有限公司

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17. 以光流為基礎之視覺伺服影像追循研究(1/2)，國科會

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18. 塑膠射出成型機控制技術分析，工勤系統股份有限公司

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19. 以光流為基礎之視覺伺服影像追循研究(2/2)，國科會

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20. 雙協同馬達之同步運動控制(1/2)，國科會

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21. 張力控制器異常作動分析技術之建立，中國鋼鐵股份有限公司

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23. 研發功能性磁振造影腦活動圖譜術專用之握力監控系統，高雄榮民總醫院

Development and Implementation of Monitoring System for Motor Task Performance During Functional MRI Study, Kaohsiung Veterans General Hospital, 2002.1~2002.12

24. 龍門加工機性能分析與改善，國科會與亞崙機電股份有限公司

Analysis and Improvement of Performance of Bridge Type Machining Centers, National Science Council and Awea Mechatronic Co., 2002.6~2003.5

25. 結構與控制整合設計在加工機上之應用，國科會

Integrated Structure and Control Design for Machine Tools, National Science Council, 2002.8~2003.7

26. 熱軋鋼場精軋區厚度與張力之協調性控制，國科會

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27. 研發功能性磁振造影腦活動圖譜術專用之握力監控系統 (II)，高雄榮民總醫院

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28. 磁浮風扇馬達三維磁場與作用力分析，建準電機工業股份有限公司
Analysis of Three-Dimensional Magnetic Field and Reaction Forces of MagLev® Fans, Sunonwealth Electric Machine Industry Co. 2004.4~2004.12
29. 抗流水下遙控載具關鍵性技術開發暨系統整合—子計畫五：抗流水下遙控載具主控電腦及系統控制 (1/3)，國科會
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30. 以類複眼追蹤運動物體之研究，國科會
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32. 應用於全方位視覺感測系統之光流技術，財團法人金屬工業研究發展中心
Optical Flow Technology of Omni-Directional Vision Systems, Metal Industries Research and Development Center, 2006.2~2006.6
33. 抗流水下遙控載具關鍵性技術開發暨系統整合—子計畫五：抗流水下遙控載具主控電腦及系統控制 (3/3)，國科會
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34. 球型馬達之專利及論文搜索，財團法人工業技術研究院
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35. 水下載具海底管線檢測關鍵技術之研發—以視覺輔助水下載具位置與姿態之伺服控制(1/3)，國科會
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37. 地鑽工法潛盾機 PLC 操控程式之解讀與分析，加興營造工程股份有限公司

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40. 視覺輔助智慧型車輛影像處理技術之研發，國科會

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