

自動化科技研究所
Graduate Institute of
Automation Technology

系統控制與診斷 · 機械視覺
System control and diagnosis ,
machine vision

即時智慧型光機電系統實驗室
Real-time Intelligent
Opto-mechatronic System Lab.



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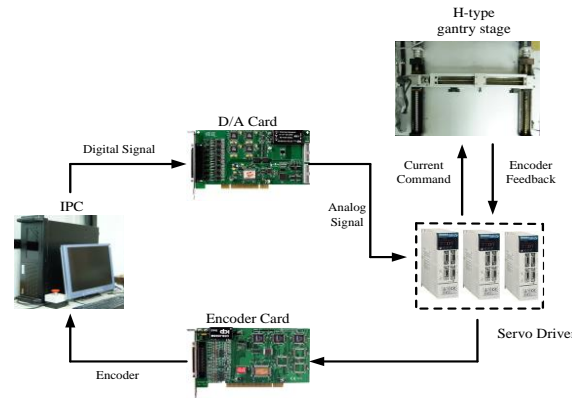
https://sites.google.com/site/ntu_trtiosmlab/

■ 研究領域

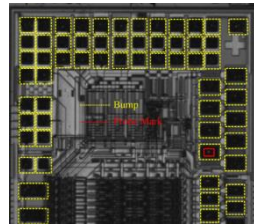
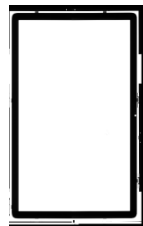
運動控制、機電整合、AOI應用、物件辨識與對位、機器人製程自動化

■ Research Area

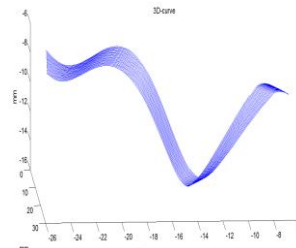
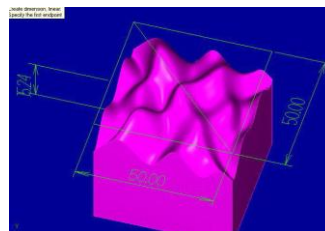
Motion control, mechatronics, AOI application, object recognition and registration, robotics automatic manufacture



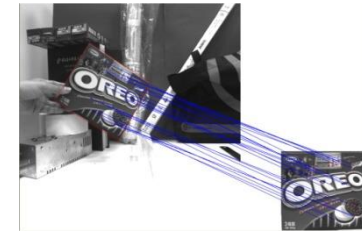
H型龍門式運動平台控制
H-type gantry stage control



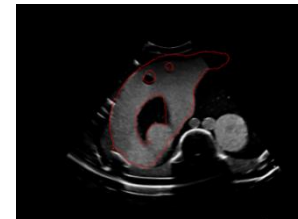
自動化光學檢測應用
AOI application



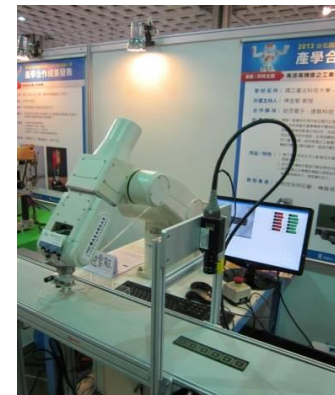
運動軌跡規劃與設計
Motion trajectory planning and design



2D/ 3D 物件辨識
2D/ 3D object recognition



CPU/ GPU 影像對位
CPU/ GPU image registration



機械手臂整合應用
Robotics integrated application