

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

機電整合與控制 Mechatronics and Control

電腦整合製造與控制 CIM & Control Lab.



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■ 研究領域

機電整合、機器人、生產自動化、
電腦整合製造

- 智慧型材料之半主動減振控制
- 壓電致動系統之建模與控制
- 線性馬達系統之建模與控制

■ 近期研究主題

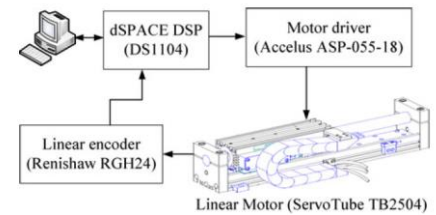
- 超音波線性馬達系統之建模與控制
- 機器手臂之運動規劃與控制
- 表面聲波感測系統之開發

■ Research Area

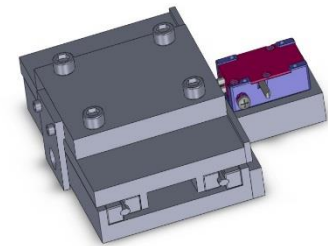
Mechatronics, Robotics, Automation,
Computer Integrated Manufacturing

■ Recent Topics

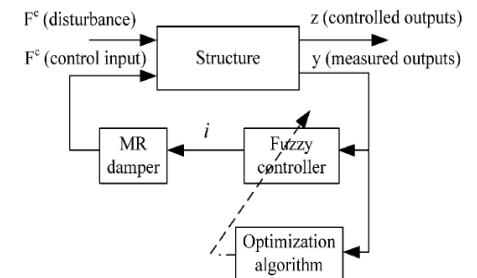
- Semi-active vibration control using smart materials
- Modeling and control of the Piezo-actuated positioning system
- Modeling and control of linear motor system
- Modeling and control of Ultrasonic Linear Motor
- Motion planning and control of Robotics
- Development of SAW sensory system



線性馬達之建模與控制
Modeling and control of PMLM



超音波馬達平台之建模與控制
Modelling and control of USM system



MR可調吸振器之半主動減振控制
Vibration control of MR TVA