

# 車輛工程系 Department of Vehicle Engineering

## 車輛動力系統與車輛動態分析 Vehicle Driveline System and Vehicle Dynamic Analysis

### 混合動力及節能系統實驗室 Hybrid Vehicle and Fuel Economy Lab.



O: 綜科 526-13,  
#3626

L: 綜科 B10-24,  
#3682  
B10-37

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#### ■ 研究領域

車輛複合動力系統、能源管理最佳化、  
車輛與傳動系統振動與噪音、車輛動  
態分析與疲勞破壞分析

#### ■ 近期研究 主題

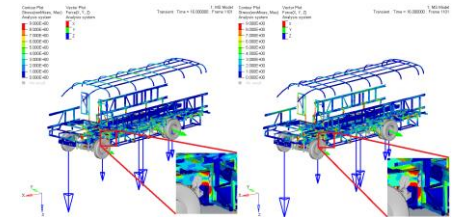
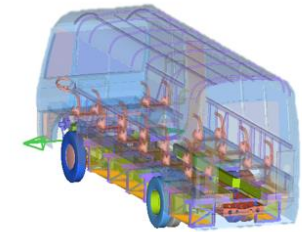
- 油電複合動力系統能源管理最佳化
- 油電複合車動力系統模糊控制理論
- 油電複合車動力系統之振動噪音分  
析及改善
- 車身動態應力分析與疲勞破壞預測
- 電動車馬達振動改善

#### ■ Research Area

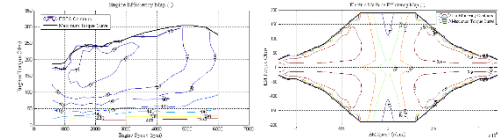
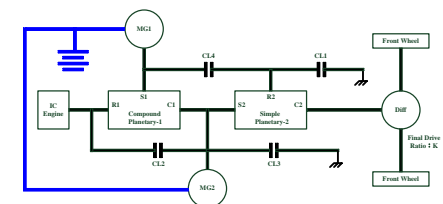
Vehicle Hybrid System Integration, HEV  
Energy Management Optimization,  
Noise and Vibration Analysis of Vehicles  
and Driveline Systems, Vehicle  
Dynamics and Fatigue Analysis.

#### ■ Recent Topics

- Energy management optimization of  
hybrid powertrain systems
- Hybrid electric vehicle fuzzy control  
development
- Vibration improvement of hybrid  
electric power systems
- Vehicle dynamic analysis and fatigue  
prediction
- Electric vehicle vibration reduction



車身動態與疲勞分析  
Vehicle Dynamics and  
Fatigue Analysis



能源管理系統控制與優化  
Control and Optimization  
of HEV Energy Management