

به نام خدای عشق و رحمت

دانشجویان محترم که علاقمند برای تحقیق و انجام پروژه در زمینه های زیر هستند به بنده از طریق ایمیل یا حضوری مراجعه بفرمایید.

E-mail: hadibi@kntu.ac.ir

Room: #520

Internal Combustion Engines	
1	Modeling and Model-based Control of a Three-way Catalytic Converter
2	Model-based Adaptive Idle Speed Control of Spark Ignition (SI) Engine
3	Mean Value Modeling of a Turbocharged Diesel Engine
4	Parameter Identification of a Mean Value Spark Ignition Engine
5	Modeling and Analysis of RCCI Engines
6	Cycle-by-cycle Modeling of an Atkinson Spark Ignition Engine (with Variable Valve Timing)
Manual/Auto Transmission	
1	Optimal Gear Shifting to Reduce Jerk and to Improve Fuel Economy
2	Modeling and Parameter identification of Hydrodynamic Torque Converter
3	Modeling and Control of a Continuously Variable Transmission (CVT)
Electric / Hybrid Electric Vehicles	
1	Modeling Lithium-ion Battery of Electric Vehicles
2	Real-time Plug-in Hybrid Electric Vehicle Modeling
3	Model-based Optimal Energy Management Control of Electric / Hybrid Electric Vehicles
Energy Systems	
1	Modeling Compressed Air Energy Storage Systems
2	Solar Powered Vehicles (Using Solar Energy to Charge Batteries)
Vehicle Dynamics & Control	
1	Preview Optimal Control of Convoy Vehicle (Long/Lateral/Heave Dynamics)
2	Adaptive Cruise Control of a Platoon
3	Stability Analysis of Vehicles
4	Using Infrastructure & Traffic Data to Optimize Vehicle Performance (V2V, V2I Technology)