KTH ROYAL INSTITUTE OF TECHNOLOGY



Research Area: System Integration

Coordinator: Anders C. Erlandsson







Overview: System Integration

GOAL	Increase the level of system understanding for higher system efficiency and lesser environmental impact
STRATEGY	Generation of better models for evaluation of novel gas exchange concepts and system optimization
TOOLS	 System simulation based on commercial tools New and improved models Experiments
Activities	Gas Exchange system study for DISI HD engines Senthil Mahendar, Ind PhD stud (Volvo GTT) Back / boost pressure & pulses, EGR
ICE	 Combustion process requirements Pressure, temperature Residual gas EGR, AFR
Industry Input SCANIA, Vo Cars, Borg	Low Temperature WHR Sandhya Thantla, Ph.D student associated project (FFI)