

## Sports car internal combustion engine modelling and controls

- Virtual calibration of a V8 sport gasoline engine through the usage of 1D-CFD engine model previously developed, calibrated and validated on experimental data
- The following activities will be performed during the thesis work:
  - Experimental data analysis
  - 1D Gt-Suite model development
  - 1D GT-Suite model calibration
  - Calibration Optimization to match the assigned targets