

STAGE

Nardò Technical Center – A Porsche Engineering Company is looking for n. 1 internship for the Engineering Department in order to draft the thesis.

Title: Development of a Road Load Input index for fatigue using strain gage measurement

Tasks:

- Investigation of different methodologies for fatigue damage evaluation.
- Propose an index to evaluate and compare rough road load level for fatigue between different roads and tracks.
- Application of strain gages and load calibration of several suspension components.
- Measurement of suspension input loads on an actual vehicle on a variety of public roads and proving ground tracks.
- Analyze the measured data and present the results of the measurement activity, evaluated according to proposed index.

Topics:

- Vehicle structural reliability
- Material fatigue
- Vehicle dynamics
- Experimental data acquisition on vehicle (strain, load, vibration, displacement)

Contract and facilitations:

Stage: 6 months, starting from November 2018

Reimbursement: € 450,00

Meal ticket or Canteen

Location:

Santa Chiara di Nardò @ Nardò Technical Center S.r.l.

Apply at:

career@porsche-nardo.com