

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 test procedure for measurements of aerodynamic downforce using strain gages

The candidate will:

- Get a thorough understanding of NTC scenarios and procedures
- Be able to pro-actively support the setup of instrumentation on vehicles under-test
- Familiarize with the sensors and devices used during vehicle dynamics testing sessions
- Learn to use the data-logging device

Tasks:

- Instrument a sport vehicle rear-wing using high precision strain gages
- Calibrate the strain gages
- Interface the sensors with the logging device used at NTC
- Perform a record of wing deformation measures during a session on-track
- Post-process the data and analyze correlation between measured deformations and the aerodynamics downforce acting on the vehicle
- Write a set of guidelines for the developed test procedure

Topics:

- Proficient Matlab programming,
- Good knowledge of Vehicle Dynamics
- Analog/Digital signal acquisition
- Signal processing

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

Nardò Technical Center S.r.l. unipersonale

Sede legale, amministrativa e operativa:

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Società Certificata ISO 9001:2008 e ISO 14001:2004

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