

Politecnico di Milano *...since 1863...*

 POLITECNICO DI MILANO



Machine and Vehicle Design: *Master Thesis presentation*

POLITECNICO DI MILANO, ITALY
DIPARTIMENTO DI MECCANICA





Numerical modeling and experimental validation of O-Ring sealing for automotive braking application

TITLE: Numerical modeling and experimental validation of O-Ring sealing for automotive braking application

RESEARCH ACTIVITIES:

- Literature review on fluid-structure interaction numerical modelling
- Numerical modelling of a sealing process using Abaqus
- Experimental validation of analytical and numerical models of spur/helical gears

METHODOLOGY:

- Numerical modelling
- Experimental mechanics
- Data processing

DURATION:

- 6/9 months

CONTACTS:

- roberto.palazzetti@polimi.it
- giorgio.previati@polimi.it
- massimiliano.gobbi.@polimi.it

LOCATION: Politecnico di Milano

Machine and Vehicle Design: Master Thesis presentation

