

# *Politecnico di Milano*

## *...since 1863...*

 POLITECNICO DI MILANO



## *Machine and Vehicle Design:*

### *Master Thesis presentation*

POLITECNICO DI MILANO, ITALY  
DIPARTIMENTO DI MECCANICA





# EXPERIMENTS ON A NEW-GEN OF GEARS

**TITLE:** High efficiency gears for Electric vehicles

**RESEARCH ACTIVITIES:**

- Literature review of gears testing
- Set-up of a suitable test bench
- Development of a signal-acquisition system
- Experimental validation of analytical and numerical models of spur and helical gears

**METHODOLOGY:**

- Experimental mechanics
- Data processing

**DURATION:**

- 6/9 months

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**LOCATION:**

- Politecnico di Milano (MO)