UNIMORE
UNIVERSITÀ DEGLI STUDI DI MODENA E REGGIO EMILIA

Dipartimento di Ingegneria "Enzo Ferrari"

Sede
Via Pietro Vivarelli, 10 · 41125 - Modena, Italia
T +39 059 2056177 · F +39 059 2056180

www.unimore.it
www.ingmo.unimore.it

Modena, 2024, October 07

To the Chair
Department of Engineering "Enzo Ferrari"
Prof. Massimo Borghi

SUBJECT: Graduation Committee of the Master's Degree Programs in ADVANCED AUTOMOTIVE ENGINEERING

The composition of the Graduation Committee of the Master's Degree Programs in ADVANCED AUTOMOTIVE ENGINEERING convened on the 17th of October, at 14:30 at the Engineering Department Enzo Ferrari – DIEF, room P2.7:

Prof. Matteo Giacopini	**Chair**
Prof. Enrico Stalio	**Vice Chair**
Prof. Alberto Martini	**Member**
Prof. Alessandro Brusa	**Member**
Prof. Valerio Mangeruga	**Secretary**
Prof. Francesco Leali	Substitute
Prof.ssa Elena Bassoli	Substitute
Prof. Saverio Giulio Barbieri	Substitute
Prof. Enrico Mattarelli	Substitute
Prof. Davide Barater	Substitute

The chair will contact graduating students with the instructions for accessing the room and any eventual remote connection and online streaming.
Maximum punctuality is recommended. Members of the Committee unable to attend must contact a substitute for replacement and communicate the substitution in time.

The Committee will examine the following students:

LM ADVANCED AUTOMOTIVE ENGINEERING				
	Family name	**Name**	**Advisor**	**Title**
1	BASSANI	DAVIDE	BRUSA ALESSANDRO	Control-oriented modeling of a light e-boosted, high performance, spark-ignition engine.
2	BLASONE	FRANCESCO	STALIO ENRICO	Addressing Experimental Data Aliasing in Fluid Mechanics Using Compressed Sensing
3	CASAGLI	LORENZO	STALIO ENRICO	Lagrangian statistics in a turbulent pipe flow with Re = 5300
4	COPETTI	SIMONE	MANGERUGA VALERIO	Monolithic wishbone with flexure implementation for MMR formula student racing car

UNIMORE
UNIVERSITÀ DEGLI STUDI DI MODENA E REGGIO EMILIA

Dipartimento di Ingegneria "Enzo Ferrari"

5	D'ORSI	DARIO	RAVAGLIOLI VITTORIO	Development of a 0-D model to estimate the instantaneous torque delivered by an Internal Combustion Engine
6	FERRARO	SIMONE	MORONI FABRIZIO	Rear Bumper for a Race Car: Comparison on Design and Manufacturing Options
7	GIANASSI	MARTA	MARTINI ALBERTO	Performance analysis of the Moto GP motorcycle by means of identification of its racing line
8	LENZI	MIRCO	BRUSA ALESSANDRO	Development and implementation of regression tree ensemble learning-based engine models for the estimation of combustion indexes
9	MILAN	GIANMARCO	CROCCOLO DARIO	Homogenization and Artificial Neural Network Prediction of Elastic Properties in Triply Periodic Minimal Surface Structures
10	OMICINI	FEDERICO	BRUSA ALESSANDRO	Development, implementation and calibration of both low-level and high-level parts of a single-cylinder engine control strategy for an electric hybrid, single-seater car
11	PECILE	ANDREA	PIRONDI ALESSANDRO	Design optimization for performance and cost: rear impact structure for a one-make Formula car
12	PELAEZ RODRIGUEZ	LUIS EDUARDO	FRIZZIERO LEONARDO	Motorcycle study case design analysis using IDeS methodology integrating Artificial intelligence
13	SARTORI	STEFANO	CAVINA NICOLO'	Future of High Performance Cars: Hydrogen Powertrains as Solution towards Political and Regulatory Trends for a Sustainable Innovation
14	ZERI	GIAN MARCO	FRIZZIERO LEONARDO	Characterization of micro-cracking behavior in thick carbon fiber parts through correlation between Finite Elements Analysis with Mechanical and Thermal testing

The proclamation of graduates will be around 19:00.

Chair Master's Degree Programme in
Advanced Automotive Engineering
Prof. Matteo Giacopini