



UNIMORE

UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Dipartimento di Ingegneria "Enzo Ferrari"

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Modena, 2024, April 03

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 18th of April, at 8:45 at the Engineering Department Enzo Ferrari, Via Vivarelli 10, Modena, Room P0.4:

Prof.ssa Elena Bassoli	Chair
Prof. Enrico Bertocchi	Vice Chair
Prof.ssa Barbara Zardin	Member
Prof. Andrea Santoni	Member
Prof. Silvio Defanti	Secretary
Prof. Marco Barbieri	Substitute
Prof. Enrico Mattarelli	Substitute
Prof. Alberto Vergnano	Substitute
Prof. Sergio Callegari	Substitute
Prof. Matteo Giacopini	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	AMOR MUÑOZ	ANTONIO	MATTARELLI ENRICO	Analysis of the effects of biodiesel blends on combustion, emissions and performance of a light-duty diesel commercial engine.
2	BARATTA	FEDERICO	BIANCHI GIAN MARCO	Investigating Thermal Propagation Phenomenon in Lithium-Ion Batteries for Automotive Applications: Implications and Insights

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3	BENEDETTI	ANDREA	BARBIERI MARCO	Integration and validation of a gearbox simulation in an engine test bench
4	CASTALDELLI	LORENZO	PIGNACCA LUCA	Bracci sospensione anteriore di una macchina da corsa: approfondita comparazione sulla progettazione e produzione di differenti soluzioni
5	DI COSTANZO CORTÉS	VICTOR MANUEL	MATTARELLI ENRICO	Evaluation of the Real Driving Emissions of a Light Commercial Vehicle in Accordance with the Brazilian and European Markets
6	GIRARDI	NICOLA	BARBIERI MARCO	Experimental Analysis of Brake Creep Groan
7	LEONE	ALESSANDRO GIUSEPPE	FONTANESI STEFANO	Analisi critica dei dati per la simulazione 1D di un sistema HVAC e per la predizione del comfort termico di un veicolo ad alte prestazioni
8	LÓPEZ-VELARDE PEÑA	PEDRO	PERNECHELE CHIARA	DIC analysis and optimization on CFRP parts
9	LUCCHINI	FILIPPO	ZARDIN BARBARA	Implementazione di una procedura di test per ricavare trim data dall'unità idraulica del cambio ZF 8HP
10	MASONI	LORENZO	CALLEGARI SERGIO	Automatization of a HIL test bench for automotive electronic systems validation
11	MORATTO	FEDERICO	MATTARELLI ENRICO	Modellazione CFD-1D e Ottimizzazione di una Power-Unit Formula 1 in ambiente GT-Power
12	PALLANCA	LEONARDO	MUCCHI EMILIANO	Road noise: mechanism investigation and validation through testing and CAE
13	PEDRONI	ALBERTO	DE AGOSTINIS MASSIMILIANO	METHODOLOGY DEFINITION AND THERMO-STRUCTURAL FEA OF A PISTON FOR HIGH-PERFORMANCE MOTORCYCLE APPLICATION
14	RAGGI	MATTEO	AL MUREDEN ENRICO	Introduzione di un nuovo modello Lamborghini: Il processo innovativo 3P
15	REGGIANINI	GABRIELE	VERGNANO ALBERTO	Assembly process definition of cylinder head cover of a high performance V6 engine
16	SAMBE	MALIK	PONTARA DAVIDE	Calibrazione di una funzione del Battery Management System: parametrizzazione del sottosistema di 'Self-Discharge Detection'
17	TYAGI	SANCHIT KUMAR	BARBIERI MARCO	Design and Analysis of Reverse Idler Gear for High Performance Applications

The proclamation of graduates will be around 13:30.Chair Master's Degree Programme in
Advanced Automotive Engineering
Prof. Matteo Giacomini