



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, 2025, March 28

To the Chair
Department of Engineering "Enzo Ferrari"
Prof. Francesco Leali

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 14th of April, at **8:45** at the Engineering Department Enzo Ferrari – DIEF, room **P1.2**

Prof. Francesco Leali	Chair
Prof. Matteo Giacomini	Vice Chair
Prof. Marco Fainello	Member
Prof. Stefano Nuzzo	Member
Prof. Valerio Mangeruga	Secretary
Prof. Alessandro Pirondi	Substitute
Prof. Davide Barater	Substitute
Prof. Saverio Giulio Barbieri	Substitute
Prof.ssa Elena Bassoli	Substitute
Prof. Giovanni Franceschini	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 following students will enter by gate number 2 (via Vivarelli, 10) together with their guests, starting from 8:20.

LM ADVANCED AUTOMOTIVE ENGINEERING				
	Family name	Name	Advisor	Title
1	ALEX THOMAS	ANDRIA	FAINELLO MARCO	Bridging the Gap in ADS Regulatory Validation: A DiL-Based Approach to Integrating Track and Road Testing
2	AZZARITO	STEFANO	MANGERUGA VALERIO	Kinematic and Dynamic of a F1 Drag Reduction System (DRS): Simulation and Test
3	BARERA	EDOARDO	FAINELLO MARCO	Inner Tire Pressure Analysis using FE Thermal Modeling



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4	BUSI	FABIO	LEALI FRANCESCO	Parametric Design and Optimization of an Active Drag Reduction System Mechanism for the Haas 2026 Formula 1 Car Wind Tunnel Model
5	CALZETTI	TOMMASO	FAINELLO MARCO	Methodology development for powertrain suspension definition and design
6	CARPEGGIANI	LUCA	NUZZO STEFANO	Cooling System Design for an Heavy-Duty Electric Motor
7	DE BATTISTI	DAVIDE	GIACOPINI MATTEO	Development of a 3D multibody model for the analysis of the valvetrain of a high performance internal combustion engine
8	FORTE	ALESSANDRO	BARBIERI SAVERIO GIULIO	Development of an Experimental and Numerical Methodology for the Thermal-Structural Assessment of a Power Supply
9	GIOVANETTI	SALVATORE	LEALI FRANCESCO	Development of a Model for the computation of the Total Cost of Ownership of highly customizable and technologically innovative vehicles' fleets
10	IMOLA	NIKOLAS CHRISTOPHER	FRANCESCHINI GIOVANNI	Design Study of Active Front-End Single-Phase PFC for Electric Vehicle On-Board Chargers
11	MESSORI	ALEX	GIACOPINI MATTEO	Numerical Investigation of viscous losses in a gearbox: Comparison between mesh-based and mesh-less approaches
12	MOTTA	EDOARDO LORENZO	LEALI FRANCESCO	Development of a methodology for tightening control of threaded connections in high-performance vehicles: the case of the Pagani Utopia
13	PAOLUCCI	DAVIDE	BARATER DAVIDE	System simulations of electric powertrains

The proclamation of graduates will be around 13:00.

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