



UNIMORE

UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Dipartimento di Ingegneria “Enzo Ferrari”

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Modena, 2026, March 20

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 8th of April, at 9:00 at the Engineering Department Enzo Ferrari – DIEF, room P1.2:

Prof.ssa Elena Bassoli	Chair
Prof. Emiliano Mucchi	Vice Chair
Prof. Francesco Gabriele Galizia	Member
Prof. Alessandro Brusa	Member
Prof. Stefano Nuzzo	Secretary
Prof. Saverio Giulio Barbieri	Substitute
Prof. Davide Barater	Substitute
Prof. Matteo Giacopini	Substitute
Prof. Fabio Pini	Substitute
Prof. Valerio Mangeruga	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 and their guests will enter at 8:40 p.m. from entrance no. 2 (Via Vivarelli no. 10). Discussions begin at 9:00 p.m. in room P1.2

LM ADVANCED AUTOMOTIVE ENGINEERING				
	Family name	Name	Advisor	Title
1	AMELI	UMBERTO	CAVINA NICOLO'	Artificial Neural Network–Based Modeling of Spark-Ignition Engines to Reduce Experimental Effort in Engine Calibration
2	BIFFI	SERENA	MIMMO NICOLA	Multibody Model of a Motorcycle for Longitudinal Dynamics



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3	CONTIN	ENRICO	SALA GIACOMO	Advanced Procedure Definition for High Performance IPM Motor Characterization
4	CRISCOLO	MATTEO	MUCCHI EMILIANO	Road Noise reduction: Virtualization of tire model
5	FERRARO	GIORGIO	MUCCHI EMILIANO	TPA-Based Indirect Force Identification Methodology for Agricultural Machines
6	FREGNI	MICHELE	RAVAGLIOLI VITTORIO	Evaluation of Neural Networks for Data-Driven Modeling: an Engine Model as a Case Study
7	PEDUZZI	RICCARDO	PEZZOLA MARCO EZIO	Experimental and Numerical Modal Analysis of a Sport Motorcycle Clip-On Handlebar, with Focus on the Influence of end weight Design
8	PIRACCINI	ALESSANDRO	BRUSA ALESSANDRO	Development and application of predictive approaches for knock simulation in a Spark Ignition, high performance, hydrogen engine
9	SALVATORI	GIULIA	GALIZIA FRANCESCO GABRIELE	Analysis and Improvement of Assembly Instructions Management: A Production Engineering Study at Pagani Automobili S.p.A.
10	SANDRI	FEDERICO	RAVAGLIOLI VITTORIO	Metrological Analysis and Validation of the ADUO Protocol in the 2026 Formula 1 Regulation
11	SORCI	MATTIA	BIANCHI GIAN MARCO	Type-approval procedure of a conversion system for the use of biofuel in a CI engine
12	VENTURI	RICCARDO	CAVINA NICOLÒ	Development and Validation of a MATLAB Tool for Replicating the Knock Index Calculation of a Marelli Motorsport ECU

The proclamation of graduates will be around 13:00.

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