

**UNIMORE**UNIVERSITÀ DEGLI STUDI DI
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Modena, 2025, January 27

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 5th of February, at 14:00 in Dallara Academy, Via Provinciale 33/A, Varano de' Melegari:

Prof. Matteo Giacomini	Chair
Prof. Luca Pignacca	Vice Chair
Prof. Silvio Sorrentino	Member
Prof. Andrea Toso	Member
Prof. Andrea Cimarelli	Secretary
Prof. Alessandro Pirondi	Substitute
Prof. Enrico Stalio	Substitute
Prof. Saverio Giulio Barbieri	Substitute
Prof.ssa Elena Bassoli	Substitute
Prof. Francesco Leali	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	BAIOLI	STEFANO	TOSO ANDREA	Estimation of Lateral Slip Angles from Six-Channel Track Data - Deriving Lateral Dynamics info from Minimal Inputs through Mathematical Modeling
2	BENEDOS	MAURO	CROCCOLO DARIO	Static and Dynamic Preload Monitoring of a V8 Engine Valve Cover's Screw
3	BUDHIRAJA	RAGHAV	SORRENTINO SILVIO	Analyzing objective vehicle handling data to evaluate the impact of different tire specifications on Power-On manoeuvre performance using Pirelli Post Processing tool



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4	CONTIERO	GIOVANNI	CIMARELLI ANDREA	Aerodynamic Development of a Prototype Battery Electric Vehicle for Race Use
5	CUSMAI	ANNAMARIA	CIMARELLI ANDREA	Towards the development of a scale-adaptive turbulence model with machine learning techniques
6	D'ALTERIO	GIUSEPPE	BARBIERI SAVERIO GIULIO	A Numerical Methodology for the Thermal - Structural Assessment of High - Performance Combustion Engines Addressing the Phenomenon of Boiling
7	FINOTELLI	SEBASTIANO	TOSO ANDREA	Development of a 2-Post Model for the choice of springs and dampers' settings of a GT3 car
8	FLUIERARU	VLAD	CIMARELLI ANDREA	Large Eddy Simulation of a turbulent channel flow using a tensorial eddy viscosity model
9	MACCHIA	GIACOMO	PIGNACCA LUCA	Development and Feasibility analysis of a pressure-based position detection system for formula car clutches
10	MARRAS	NICCOLO'	CIMARELLI ANDREA	Assessment of a new modelling approach for URANS simulations
11	PICCININI	SAMUELE	STALIO ENRICO	Development of a methodology for the measurement of the Drag Coefficient of a Racing Car from track testing data
12	SAUNA	ALESSANDRO	CAVINA NICCOLO'	Knock Location Identification through Multilateration of In-Cylinder Pressure and Accelerometer Sensor Signals
13	TESSARO PORTA	FABIO	PIRONDI ALESSANDRO	Trackside Measurement of Loads on an Aerostructure

The proclamation of graduates will be around 19:00.

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