



**UNIMORE**

UNIVERSITÀ DEGLI STUDI DI  
MODENA E REGGIO EMILIA

Dipartimento di Ingegneria “Enzo Ferrari”

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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 14<sup>th</sup> of April, at **14:00** at the Engineering Department Enzo Ferrari – DIEF, room **P1.2**

<b>Prof.ssa Elena Bassoli</b>	<b>Chair</b>
<b>Prof. Stefano Fontanesi</b>	<b>Vice Chair</b>
<b>Prof. Vittorio Ravaglioli</b>	<b>Member</b>
<b>Prof. Francesco Gabriele Galizia</b>	<b>Member</b>
<b>Prof. Andrea Cimarelli</b>	<b>Secretary</b>
Prof. Alessandro Pirondi	Substitute
Prof. Nicolò Cavina	Substitute
Prof. Alessandro D’Adamo	Substitute
Prof. Enrico Stalio	Substitute
Prof. Massimiliano De Agostinis	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 13:30.**

<b>LM ADVANCED AUTOMOTIVE ENGINEERING</b>				
	<b>Family name</b>	<b>Name</b>	<b>Advisor</b>	<b>Title</b>
1	BALDINI	EDOARDO	RAVAGLIOLI VITTORIO	Vehicle Integrated Photo-Voltaic Applications
2	BOGGIANI	ANDREA	FONTANESI STEFANO	e-Fuels 3D-CFD Combustion Simulations in a High Performance Engine
3	BORRI	NICCOLO'	GALIZIA FRANCESCO GABRIELE	CFK (Carbon fiber center) scheduler optimization - An Automobili Lamborghini S.p.A case



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4	FERNIANI	TOMMASO	CAVINA NICOLO'	Calibration methodology based on machine-learning models to improve lambda control for Euro 7 spark ignition engines
5	LOMBARDI	FRANCESCO	PIRONDI ALESSANDRO	Multiaxial static and fatigue strength of LPBF-manufactured AlSi10Mg in as-built and T6 conditions
6	MALGARIDA	CRISTIAN	DE AGOSTINIS MASSIMILIANO	Enhanced Workflow For The Design Of Components Made By Additive Manufacturing
7	MONTECCHI	GIANLUCA	D'ADAMO ALESSANDRO	Development and validation of a MATLAB/Simulink Model for a Heavy-Duty Hybrid Fuel Cell/Battery Powertrain
8	PIVA	COSTANTINO	CORTI ENRICO	Artificial Intelligence Anomaly Detection Algorithm for Electric Powertrains
9	SENTHIL KUMAR	RISHI	RAVAGLIOLI VITTORIO	Development of subsystems for a hybrid Hydrogen - Solar electric vehicle
10	VERONESI	ENRICO	GALIZIA FRANCESCO GABRIELE	Evaluating Reusable and Expendable Packaging Solutions in the Automotive Supply Chain: An Economic and Environmental Perspective
11	VITALE	ALBERTO ANTONIO	CAVINA NICOLO'	Development and validation of a 4-wheel BEV digital twin model for testing ADAS systems in HiL and DiL environments
12	ZADRO	ELIO	CIMARELLI ANDREA	Moist turbulent Rayleigh-Bénard convection

**The proclamation of graduates will be around 18:30.**

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