

**UNIMORE**UNIVERSITÀ DEGLI STUDI DI
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Modena, 2024, October 07

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 17th of October, at 8:30 at the Engineering Department Enzo Ferrari – DIEF, room P2.7:

Prof. Francesco Leali	Chair
Prof.ssa Elena Bassoli	Vice Chair
Prof. Mauro Gamberi	Member
Prof. Enrico Mattarelli	Member
Prof. Saverio Giulio Barbieri	Secretary
Prof. Matteo Giacomini	Substitute
Prof. Enrico Stalio	Substitute
Prof. Valerio Mangeruga	Substitute
Prof. Andrea Cimarelli	Substitute
Prof. Stefano Nuzzo	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	ABBATI	GIOVANNI	REGATTIERI ALBERTO	Manufacturing system design for a high-performance powertrain, Comparison of different balancing methods. The HPE S.r.l. case.
2	BALAKRISHNAN	SHIJIN	SOAVI FRANCESCA	Market of Lithium-ion battery in Italy
3	CANEVER	MATTEO	GALIZIA FRANCESCO GABRIELE	Inbound Transport Schedule Optimization: a case study of Automobili Lamborghini S.p.A.



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4	CARBONI	LORENZO	LEALI FRANCESCO	Development of a software for physical data extraction to enhance ferrari 296 gt3 vehicle dynamics
5	DI NARDO	PASQUALE	GAMBERI MAURO	A multi-step joint optimization framework for the determination of the optimal AGV route design for an automotive manufacturing plant
6	DIAS	ANDERSON LUIZ	LEALI FRANCESCO	The analysis of the drum brake squeal occurrence using complex eigenvalue and eigenvectors to evaluate the effects of coconut reinforced linings and dimensional variations of the brake components
7	NANNUCCI	FRANCESCO	REGATTIERI ALBERTO	Make or Buy analysis: Ferrari's Gearbox preparation
8	PICCIALLO	DOMENICO	BORTOLINI MARCO	Re-layout of a F1 team's composite production area based on lean principles
9	PIETRA	BEATRICE	MANGIA MAURO	Dimensional Control in Automotive Body-in-White Manufacturing through Data Analytics and Machine Learning
10	PUGLIESE	RICCARDO	GALIZIA FRANCESCO GABRIELE	Development of a lean-based software to manage fasteners in mixed-model assembly lines: the case of Automobili Lamborghini S.p.A.
11	RECCHI	LORENZO	GAMBERI MAURO	Project management for the expansion of a production facility to accommodate Lamborghini's IVth model: focus on the investment evaluation of an overhead conveyor for doors pre-assembly line
12	SCHIANCHI	FEDERICO	BIANCHI GIAN MARCO	High Karlovitz Number Combustion RANS Modelling for High Performance Internal Combustion Engines
13	TOCCAFONDI	ALBERTO	BIANCHI GIAN MARCO	Study of Hydrogen Injector Jet Characteristics Using the New AVL Fire Software
14	VALENTINI	ALEX	GIUSEPPE NOTARSTEFANO	Development of an overtake maneuver generation strategy for driver assistance systems

The proclamation of graduates will be around 13:00.

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