



UNIMORE

UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Dipartimento di Ingegneria “Enzo Ferrari”

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Modena, 2024, July 02

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 9th of July, at 14:30 at Automobili Lamborghini S.p.A., Via Modena, 12, 40019, Sant’Agata Bolognese (Bologna):

| | |
|---|-------------------|
| Prof. Matteo Giacomini | Chair |
| Prof.ssa Elena Bassoli | Vice Chair |
| Prof. Francesco Gabriele Galizia | Member |
| Prof. Andrea Cimarelli | Member |
| Prof. Valerio Mangeruga | Secretary |
| Prof. Francesco Leali | Substitute |
| Prof. Giovanni Franceschini | Substitute |
| Prof. Saverio Giulio Barbieri | Substitute |
| Prof. Davide Barater | Substitute |
| Prof. Silvio Sorrentino | 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 | BALAKRISHNAN | SHIJIN | SOAVI FRANCESCA | Market of Lithium-ion battery in Italy |
| 2 | BOOGAARD | FLORIS | SORRENTINO SILVIO | A kinematic and compliant model of a double wishbone suspension with non-linear bushings |
| 3 | DECAROLIS | MARCO | MANGERUGA VALERIO | Sviluppo di un Modello a Elementi Finiti per l'Analisi Termica dell'Impianto Frenante in |



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| | | | | un Gruppo Ruota Anteriore di un Veicolo di Formula Student |
| 4 | FORNI | RICCARDO | PINELLI MICHELE | Bypass valve design and analysis to improve the catalytic converter performance in a sport-car exhaust system |
| 5 | FRANCESCHINI | ALBERTO | SORRENTINO SILVIO | Analisi multi-body di una trasmissione finale a catena per uso motociclistico |
| 6 | LEONI | MANUEL | CIMARELLI ANDREA | Identifying the optimum flowfield around a vehicle (SUV) for reaching the minimum drag possible |
| 7 | PAGNIN | FRANCESCO | SORRENTINO SILVIO | Development and Testing of a Bespoke Kit for a Track-Only Hypercar with Tailor-Made Setup for Enhanced Drivability |
| 8 | PETRONE | FILIPPO | GALIZIA FRANCESCO GABRIELE | Definition of a supplier quality monitoring parameter through weighted average and AHP weight definition: the case of Dallara Group |
| 9 | PICCOLI | MARTINO | LEALI FRANCESCO | Development of a New Process for Managing Vehicle Defects to Guarantee the SOP Milestone |
| 10 | PRIORE | VINCENT | PINELLI MICHELE | Analysis, characterisation and optimisation of an exhaust by-pass system to enhance catalyst performances |
| 11 | ROYCHOUDHURY | ARKA | MARTINI ALBERTO | Development Of Rear-Hitch Subsystem Plant Model Of An Agricultural Tractor |

The proclamation of graduates will be around 19:00.

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