

**UNIMORE**UNIVERSITÀ DEGLI STUDI DI  
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Modena, 2021, June 3

To the Chair  
Department of Engineering "Enzo Ferrari"  
Prof. Massimo Borghi**SUBJECT: Graduation Committee of the Master's Degree Programs in ADVANCED AUTOMOTIVE ENGINEERING and in "Ingegneria del Veicolo"**

The composition of the Graduation Committee of the Master's Degree Programs in ADVANCED AUTOMOTIVE ENGINEERING and in VEHICLE ENGINEERING convened on the 11<sup>th</sup> of June, at 14:00 in room P1.2 (112 seats) of the Department of Engineering "Enzo Ferrari:

<b>Prof. Francesco Leali</b>	<b>Chair</b>
<b>Prof. Stefano Fontanesi</b>	<b>Vice Chair</b>
<b>Prof. Marco Barbieri</b>	<b>Member</b>
<b>Prof. Davide Barater</b>	<b>Member</b>
<b>Prof. Alessandro D'adamio</b>	<b>Secretary</b>
Prof. Enrico Mattarelli	Substitute
Prof. Sorrentino Silvio	Substitute
Prof. Bianchi Gian Marco	Substitute
Prof. Carlo Rossi	Substitute
Prof. Francesco Gherardini	Substitute

Each graduating candidate attending in presence can be accompanied by a maximum of 3 people. Students who attend remotely will be examined by the same committee. The chair will contact graduating students with the instructions for accessing the room and for connecting online.

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:

<b>LM INGEGNERIA DEL VEICOLO</b>				
	<b>COGNOME</b>	<b>NOME</b>	<b>RELATORE</b>	<b>TITOLO</b>
1	BONANNO	GIANLUCA	LEALI FRANCESCO	Simulazione integrata e ottimizzazione del processo Selective Laser Melting Additive Manufacturing per la realizzazione componenti automotive
2	CASALE	CARLO	FONTANESI STEFANO	Numerical simulation of turbulent flows in complex geometries. Numerical



				Simulation using OpenFoam of Deflagration to Detonation transition
3	DELIZIOSI GIORDANO	SIMONE	LEALI FRANCESCO	Progettazione di banchi prova per test a fatica di organi di macchina in veicoli industriali
4	FARGNOLI	ALESSANDRO FIORENTINO	FONTANESI STEFANO	Sviluppo di un modello CFD-CHT di un motogeneratore per una vettura ad alte prestazioni
5	FERGNANI	FEDERICO	MATTARELLI ENRICO	Analisi numerica e sperimentale di un motore motociclistico da competizione (Moto 3)
6	MANCINI	GIANLUCA	FONTANESI STEFANO	Analisi sperimentale e ottimizzazione del processo di combustione di motori 2 tempi raffreddati ad aria con tecnologia a carica stratificata
7	RUSPAGGIARI	MATTIA	FONTANESI STEFANO	Sviluppo sperimentale e validazione del sistema di post-trattamento dei gas di scarico per Diesel ad elevate prestazioni
8	SIVORI	PIERPAOLO	FONTANESI STEFANO	Analisi preliminare del warm up del sistema di after-treatment di una vettura ad alte prestazioni

**LM ADVANCED AUTOMOTIVE ENGINEERING**

	Family name	Name	Advisor	Title
1	INSINGA	BASILIO VINCENZO	MUCCHI EMILIANO	Development of a lumped parameter dynamic model of internal gear pump for active suspensions vehicle
2	MINNECI	ATTILIO	SORRENTINO SILVIO	Integration of Torque Vectoring and Traction Control logics in a hybrid powertrain vehicle
3	PAVIRANI	SIMONE	ROSSI CARLO	LiFePO4 battery pack modelling and management with the implementation of a real time Rdc estimator
4	PLESCIA	TOMMASO	BIANCHI GIAN MARCO	CFD simulation assessment of TJI system application in a high-performance SI NA engine for two wheels application

The proclamation of graduates will be around 6:00 pm.

Presidente del Consiglio di Corso di Studio in  
Advanced Automotive Engineering  
Prof. Francesco Leali