



UNIMORE

UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Dipartimento di Ingegneria "Enzo Ferrari"

Sede

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Modena, 2022 March 29th

To the Chair
Department of Engineering "Enzo Ferrari"
Prof. Massimo Borghi

SUBJECT: Graduation Committee of the Master's Degree Program in ADVANCED AUTOMOTIVE ENGINEERING

The composition of the Graduation Committee of the Master's Degree Programs in ADVANCED AUTOMOTIVE ENGINEERING convened in presence on the 11th of April, at 9:00 in room P1.6 of the Department of Engineering "Enzo Ferrari":

Prof. Nicolò Cavina	Chair
Prof. Giovanni Franceschini	Vice Chair
Prof. Michele Pinelli	Member
Prof. Alberto Regattieri	Member
Prof. Massimiliano De Agostinis	Secretary
Prof. Dario Croccolo	Substitute
Prof. Davide Barater	Substitute
Prof. Gian Marco Bianchi	Substitute
Prof. Alberto Martini	Substitute
Prof. Fabio Pini	Substitute

Each graduating candidate can be accompanied by a maximum of 3 people. The chair will contact graduating students with the instructions for accessing the room and for connecting online. The classroom is equipped with a PC / projector and webcam for streaming: candidates can use the classroom PC (carrying a usb pen drive) or their personal PC.

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	CRISTOFORI	MATTIA	LIVERANI ALFREDO ; FRIZZIERO LEONARDO	Tolerances and repeatability evaluation on advanced 3D printed molds for carbon fiber prototyping
2	DE LUCA	MAURO	DE AGOSTINIS MASSIMILIANO	Development of a FEM model to simulate the impact of design parameters on contact forces influencing fluid leakage phenomenon in ECS brake calipers



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3	FALLICO	DANIELE	PINELLI MICHELE	Catalyst heating: methodology aimed at reducing light-off temperature time of the catalytic converter of a Ferrari turbocharged engine
4	LACRIMINI	DIEGO	BIANCHI GIAN MARCO	Definition of Machine Learning techniques for the prediction of reactivity of gasoline fuels and application to the optimization of novel mixtures for high performance applications
5	MAGLIANI	MATTEO	MARTINI ALBERTO	Development and integration of a medium-range tractor multibody model for implementing the Digital Twin of the front axle suspension
6	MAZZOLA	ADRIANO	CAVINA NICOLO'	Engine torque estimation by means of machine learning techniques
7	PARIS	FRANCESCO	DE AGOSTINIS MASSIMILIANO	Chassis of an Electric Motorcycle For MotoStudent Competition
8	PICCHIO	ALESSANDRO	CAVINA NICOLO'	Electromagnetic, mechanical and thermal model-based design of an electric motorbike powertrain.
9	ROSSI	AMEDEO	CAVINA NICOLO'	Comfort del sedile della moto: previsione del comfort del sedile della moto
10	RUSSO	BLASCO	REGATTIERI ALBERTO	Series Material Planning and Management in Industry 4.0 environment in 2021 – a study after COVID-19 pandemic spread Automobili Lamborghini S.p.A. case study
11	RUSSO	LORENZO	RAVAGLIOLI VITTORIO	Development of a model for fuel transient optimization based on Machine Learning
12	SCHIATTI	MARCELLO	BORTOLINI MARCO	Dynamic simulation of a ceramic production plant in ABK Group Industrie Ceramiche S.p.A.
13	SHETHIA	FENIL PANALAL	CAVINA NICOLO'	Development And Validation Of An Artificial Intelligence-Based, Control-Oriented Simulator Of An High Performance Turbocharged Sparkignition Engine
14	SILVESTRO	VITTORIO EMANUELE	REGATTIERI ALBERTO	Functional Safety Plan development for a new vehicle model: the Maserati Case
15	TARSI	MATTEO	GAMBERI MAURO	Product audit in the vehicle quality improvement process and the development of a tool for Split Lines nominal values setting at Automobili Lamborghini S.p.A.

The proclamation of graduates will be around 13:45.

Council Chair Master's Degree Program
Advanced Automotive Engineering
Prof. Francesco Leali