



**UNIMORE**  
UNIVERSITÀ DEGLI STUDI DI  
MODENA E REGGIO EMILIA

Dipartimento di Ingegneria "Enzo Ferrari"

**Sede**

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Modena, 2021, July 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 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 15<sup>th</sup> of July, at 9:30 am in room P1.5 of the Department of Engineering "Enzo Ferrari:

|                                    |                   |
|------------------------------------|-------------------|
| <b>Prof. Francesco Leali</b>       | <b>Chair</b>      |
| <b>Prof. Giovanni Franceschini</b> | <b>Vice Chair</b> |
| <b>Prof. Andrea Cimarelli</b>      | <b>Member</b>     |
| <b>Prof. Alessandro D'adamo</b>    | <b>Member</b>     |
| <b>Prof. Sara Mantovani</b>        | <b>Secretary</b>  |
| Prof. Alberto Vergnano             | Substitute        |
| Prof. Stefano Fontanesi            | Substitute        |
| Prof. Alberto Muscio               | Substitute        |
| Prof. Marco Barbieri               | 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                                | CALÌ           | GIUSEPPE    | MATTETTI<br>MICHELE   | Sicurezza funzionale del freno di stazionamento elettronico di un trattore secondo la ISO 25119   |
| 2                                | CARDINALE      | GIUSEPPE    | D'ADAMO<br>ALESSANDRO | Modellazione CFD di un motore ad accensione comandata ad alte prestazioni alimentato ad idrogeno. |



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|   |              |          |                     |   |
|---|--------------|----------|---------------------|---|
| 3 | CASTELLUCCIO | MICHELE  | CIMARELLI<br>ANDREA | Prestazioni aerodinamiche e parametri di governo di profili oscillanti  |
| 4 | CIURLO       | SIMONE   | BARATER<br>DAVIDE   | Ottimizzazione del sistema di Venting di un modello CAD di un pacco batterie high performance conforme ai risultati delle analisi FEM e CFD |
| 5 | DE PIETRI    | FEDERICO | NUZZO<br>STEFANO    | Progetto di macchine elettriche per applicazioni automotive con approccio multi-software  |
| 6 | LAURINO      | VITO     | MANTOVANI<br>SARA   | Modellazione mediante elementi finiti della risposta elettrico-meccanica di materiali compositi a matrice polimerica e nanotubi di carbonio |

| <b>LM ADVANCED AUTOMOTIVE ENGINEERING</b> |                    |             |                     |   |
|---|--------------------|-------------|---------------------|---|
|   | <b>Family name</b> | <b>Name</b> | <b>Advisor</b>      | <b>Title</b>  |
| 1   | SATTAR             | AQEAB       | MUCCHI<br>EMILIANO  | Development of a multi-disciplinary CAE methodology for Structure-borne road noise prediction   |
| 2   | VACCA              | EMANUELE    | NICOLETTO<br>GIANNI | Characterization and fatigue life prediction of a vehicle exhaust line component through finite element modelling in the vibro-acoustic domain. |

**The proclamation of graduates will be around 1:00 pm.**

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