



## MONDAY 27/5/24

### DAY AT UNIBO

UNIBO - DISTAL: e-learning room, fifth floor, viale G. Fanin 50,, Bologna. -  
FARM: via Ganfolfi 19, Cadriano Bologna

**DISTAL must be reached independently - by public transport or by car**

#### 8.45 - 13 Welcoming speech at DISTAL

##### Lecture

Off-highway vehicles: description, field uses, and challenges in their development

**13 - 14.30**

##### Free lunch

**Private shuttle to the FARM**

#### 14.30 - 18 Technical visit at UNIBO Farm:

Description of tractors working conditions

#### From 18 aperitif @UNIBO FARM

**Private shuttle to DISTAL**

**HOTEL COMBO must be reached independently**

## TUESDAY 28/5/24

### DAY AT UNIBO

UNIBO - DISTAL: e-learning room, fifth floor, viale G. Fanin 50,, Bologna. -  
FARM: via Ganfolfi 19, Cadriano Bologna

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#### 8.45 - 13 Lectures

- Modeling, Control and Testing of Advanced Powertrains: Introduction and Overview of Off-highway Applications - **Nicolò Cavina, UNIBO**
- Fluid Power Systems overview for modern Off-Highway applications - **Andrea De Pascale, UNIBO**
- Opportunities and challenges for the Electrification of Off-Highway Vehicles - **Claudio Rossi, UNIBO**

**13 - 14.30**

##### Free Lunch

**Private shuttle to the FARM**

**14.30 - 18**

**Technical visit at UNIBO Farm:** Demonstration of homologation and traction tests for agricultural tractors

**Private shuttle to Bologna city center or DISTAL (if you have your car parked there)**

**from 18.30**

**Tour of Bologna city center and typical Bolognese dinner @051**

**After dinner, HOTEL COMBO must be reached independently**

## WEDNESDAY 29/5/24

### DAY AT UNIMORE

UNIMORE - DIEF: via Pietro Vivarelli, 10, Modena

**Meeting point: HOTEL COMBO**  
**Private shuttle to DIEF**

#### 8.45 - 13 Welcoming speech ad DIEF

##### Lectures:

- Advanced sensing of off-highway vehicles - **Luigi Rovati, UNIMORE**
- Path following with banking compensation in off-road vehicles - **Paolo Falcone, UNIMORE**
- NVH modelling, simulation and experimentation in automotive driveline - **Andrea Vian, Francesco Pizzolante & Simone di Marcobernardino, CNH**
- Off-highway components design and manufacturing - **Fabiano Malara CNH**

**13 - 14.30 Free Lunch**

**14.30 - 17.30**

#### UNIMORE Dief's Lab showcasing:

Idea Lab, Melting Lab, Millechili, Additive Manufacturing, Fluid Power, Laboratorio Rosso, Electronics, Aerodynamics and thermal control, FSAE, NVH, Powerunit testbench

**17.30 - 18**

##### Final remarks

**Private shuttle from DIEF to Modena city center**

**from 19**

**Dinner in Modena City Center**

**Private shuttle from Modena to HOTEL COMBO**

## THURSDAY 30/5/24

### DAY AT CNH

CNH: via delle Nazioni 55, Modena

**Meeting point: HOTEL COMBO**  
**Private shuttle to CNH**

**8.45 - 13**

#### Introduction of CNH company and S.

**Matteo plant** - Tempestilli / De Amicis

**Design Analysis and Simulation** - De Marco / Mariniello / Ardolino

**Vehicle Product Engineering** - Ansaloni

**13 - 14.30**

##### Lunch

**14.30 - 17.30**

**Driveline (Testing and Design)** - Frulli

**Product Validation and testing visit** - Francesco Davide

**Private shuttle from CNH to HOTEL COMBO**

## FRIDAY 31/5/24

### DAY AT UNIBO

UNIBO - DISTAL: e-learning room, fifth floor, viale G. Fanin 50,, Bologna. -  
FARM: via Ganfolfi 19, Cadriano Bologna

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#### 8.45 - 13 FINAL ROUND-TABLE MUNER teaching activities and Q & A session and experiences

- **Soundous Drissi**, Program Manager @MUNER
- **Gian Marco Bianchi**, professor @UNIBO and @MUNER
- **Barbara Bottoli**, Senior Manager at CNH
- **Raffaele Caggiano** - graduated student, Engineer at CNH
- **Luca Colendi** - PhD student
- **Michele Mattetti**, professor at @UNIBO and @MUNER, Director of the Summer School in Off-Highway Vehicle Design

**from 13**  
**Farewell Aperitif**