



## MONDAY 27/5/24

### DAY AT UNIBO

UNIBO - DISTAL: viale G. Fanin 50, forth floor, Bologna  
UNIBO - FARM: via Ganfolfi 19, Cadriano Bologna

**8.45 - 13**

#### Welcoming speech at DISTAL

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

**13 - 14.30**

#### Free lunch

**14.30 - 18**

#### Technical visit at UNIBO Farm:

Description of tractors working conditions

**From 18**

**Ice-breaker buffet with UNIBO farm's meals**

## TUESDAY 28/5/24

### DAY AT UNIBO

UNIBO - DISTAL: viale G. Fanin 50, forth floor, Bologna  
UNIBO - FARM: via Ganfolfi 19, Cadriano Bologna

**8.45 - 13**

#### Lectures:

Modeling, Control and Testing of Advanced Powertrains: Introduction and Overview of Off-highway Applications - Nicolò Cavina

Fluid Power Systems overview for modern Off-Highway applications - Andrea De Pascale

Opportunities and challenges for the Electrification of Off-Highway Vehicles - Claudio Rossi

**13 - 14.30**

#### Free Lunch

**14.30 - 18**

#### Technical visit at UNIBO Farm:

Demonstration of homologation and traction tests for agricultural tractors

**from 18**

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

## WEDNESDAY 29/5/24

### DAY AT UNIMORE

UNIMORE - DIEF: via Pietro Vivarelli, 10, Modena

**8.45 - 13**

#### Welcoming speech ad DIEF

#### Lectures:

- Advanced sensing of off-highway vehicles
- Advanced autonomous control of off-highway vehicles
- NVH modelling, simulation and experimentation in automotive driveline
- Off-highway components design and manufacturing

**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 remarkss

## THURSDAY 30/5/24

### DAY AT CNH

CNH: via delle Nazioni 55, Modena

**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

**from 18**

**Social dinner and tour of Modena city with a typical dinner**

## FRIDAY 31/5/24

### DAY AT UNIBO

UNIBO - DISTAL: viale G. Fanin 50, forth floor, Bologna  
UNIBO - FARM: via Ganfolfi 19, Cadriano Bologna

**8.45 - 13**

#### MUNER teaching activities and Q & A session and experiences

of graduated students working in CNH and with HR manager of CNH and showcasing projects partnered with CNH (i.e., Master thesis and PhD projects).