Additive Manufacturing: From Theory to Practice

International Winter School 2027

Week 1 - Processes and materials

18–24 January 2027

Provisional programme

Lectures | Laboratories and technical sessions | Project and assessment | Technical visits | Cultural and social activities | Meals, travel and free time

TIME	MONDAY 18	TUESDAY 19	WEDNESDAY 20	THURSDAY 21	FRIDAY 22	SATURDAY 23	SUNDAY 24
09:30	Welcome to participants Luca Iuliano | Paolo Fino	Polymeric materials for AM Massimo Messori	Metallic materials for AM Paolo Fino	Ceramic materials for AM Matteo Sambucci	Travel to Alessandria	Winter excursion to Bardonecchia	Free day
10:30	Introduction to AM technologies Eleonora Atzeni	AM technologies for polymeric materials Paolo Minetola	AM technologies for metallic materials Flaviana Calignano	AM technologies for ceramic materials Matteo Sambucci	Characterization of metal powders and visit to the atomization plant Federica Bondioli		
11:30							
12:30	*Lunch*	*Lunch*	*Lunch*	*Lunch*	*Lunch*		
14:00	Recent trends in AM Alessandro Salmi	Hands-on laboratory in polymeric Additive Manufacturing	Hands-on laboratory in metallic Additive Manufacturing	Preparation of metal powders Martin Dopler (Metalpine GmbH)	Additive Manufacturing applications James Shipley Anders Magnusson (Quintus Technologies AB)		
15:00	Introduction to the group project						
16:00	Guided tour of Castello del Valentino						
Afternoon and evening		Guided tour of MAUTO with welcome aperitif					
VENUE	Castello del Valentino	Main Campus	Main Campus	Main Campus	Alessandria Campus	Bardonecchia	

Programme, speakers and extracurricular activities are subject to confirmation.

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Week 2 - Design, intelligence and industrialization

25–29 January 2027

Provisional programme

Lectures | Laboratories and technical sessions | Project and assessment | Technical visits | Cultural and social activities | Meals, travel and free time

TIME	MONDAY 25	TUESDAY 26	WEDNESDAY 27	THURSDAY 28	FRIDAY 29
09:30	Educational visit to the AM pilot line at CIM4.0	Artificial intelligence and Additive Manufacturing Francesco Ponzio	Educational visit to a leading AM company	Group project Poster preparation	Additive Manufacturing applications Paolo Gennaro (GF Machining Solutions)
10:30					
11:30	Design for AM Alessandro Salmi	Process control for AM Francesco Ponzio			Poster session and closing discussion All lecturers
12:30	*Lunch*	*Lunch*	*Lunch*	*Lunch*	
14:00	Group project	Guided tour of the Egyptian Museum	Post-processing and characterization of AM components Eduard Hryha (Chalmers University of Technology)	Themed theatrical tour of La Venaria Reale	Food and wine experience in the Langhe and Roero area
15:00					
16:00					
Afternoon and evening			Social dinner	Poster submission	
VENUE	CIM4.0	Main Campus	Main Campus	Main Campus	Main Campus

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