

FIFTH CI-LAM SUMMER SCHOOL 2023

GrowingUp new generation of tech-X

Spurring the next generation talents for Advanced Manufacturing

CI-LAM China - Italy
Joint
Laboratory
on Advanced
Manufacturing

The **China-Italy Lab on Advanced Manufacturing** is a bilateral platform established in 2017 to promote and enhance the results of a joint cutting-edge research and development within the field of **Advanced and Smart Manufacturing**.

CI-LAM pools the resources of enterprises and research institutions to carry out application-oriented joint R&D and product innovation, helping manufacturing stakeholders in both countries SMEs and Startups in particular adopt the new industrial paradigms and technologies.

中意先进制造联合实验室

2023 Edition

Now in its fifth edition, the **2023 CI-LAM Summer School** will be held completely in presence at the Federico II University of Naples. Classes have been scheduled for the week of **July 17 to July 21**. The venue is at the East POLO of the Università degli Studi di Napoli of **San Giovanni a Teduccio**. The brand new educational and technological development pole, according to the European Community, which financed its development, represents one of the **best examples of funding management of European project**.






This edition of the Summer School will involve students from the **University of Bergamo, University of Naples, Tsinghua University**, and is also open to students from other universities. It is aimed at Masters, PhD students and Researchers interested or involved in the Industrial Revolution 4.0. Attendance will be limited to a maximum of **100 students**, of which **50 European students and 50 Asian students**.

This year **lessons** are scheduled: six of them are held by Italian university professors and two of them by Chinese experts and professors. Each lesson lasts two hours. On July 13, participants will have the opportunity to join R&D matchmaking sessions on potential bilateral cooperation with research groups from China and Italy. Students will have also a dense program of laboratory activities.

At the end of the Summer School, student who complete the courses will receive a "**Certificate of Attendance**", issued by CI-LAM with the endorsement of the three organizing academic institutions.

2023 Summer School Schedule

*ALL COURSES ARE TAUGHT IN ENGLISH.

	DAY 0 14 JULY	TIME IN ITALY: 9:00-12:00	TIME IN CHINA: 15:00-18:00	TOPICS Opening and Kick off of CI-LAM Summer School in Bergamo and online	LECTURER Department Deans, Teachers and CI-LAM VIP Faculty members
	DAY 1 17 JULY	Italy: 8:30-10:30 Lecture 11:00-13:00 Lecture Italy: 14:30-18:00 Laboratory 14:30-18:00 Laboratory	China: 14:30-16:30 Lecture 17:00-19:00 Lecture China: -----	Data-driven decision-making for maintenance Automation and non-linear control techniques Laboratory: Measurements and Sensors Laboratory: Meditech	Ing. Roberto Sala Prof. Mario Di Bernardo Prof. Rosario Schiano Lo Moriello Dr. Carmine Maffei
	DAY 2 18 JULY	Italy: 8:30-10:30 Lecture 11:00-13:00 Lecture Italy: 14:30-18:00 Laboratory 14:30-18:00 Laboratory	China: 14:30-16:30 Lecture 17:00-19:00 Lecture China: -----	Collaborative robots COBOTS Systematic Innovation Technology Laboratory: Measurements and Sensors Laboratory: Meditech	Prof. Fanny Fucicciello Dr. Jason Wang Prof. Rosario Schiano Lo Moriello Dr. Carmine Maffei
	DAY 3 19 JULY	Italy: 8:30-10:30 Lecture 11:00-13:00 Lecture Italy: 14:30-18:00 Laboratory	China: 14:30-16:30 Lecture 17:00-19:00 Lecture China: -----	Additive Manufacturing 5G communications for Industry Mechatronic - ST Microelectronics - Arzano	Prof. Antonello Astarita Prof. Tonia Tulino Prof. Michele Riccio
	DAY 4 20 JULY	Italy: 8:30-10:30 Match-Making 11:00-13:00 Match-Making Italy: 14:30-18:00 Visit	China: 14:30-16:30 Lecture 17:00-19:00 Lecture China: -----	TBD TBD Academy Visit	TBD TBD iOS Apple Academy 5G Academy
	DAY 5 21 JULY	Italy: 8:30-10:30 Lecture 11:00-13:00 Lecture Italy: 14:30-16:30	China: 14:30-16:30 Lecture 17:00-19:00 Lecture China: -----	High performance Motor Control New trends in additive manufacturing Closing Ceremony	Prof. Xiao Xi Prof. Mariangela Quarto