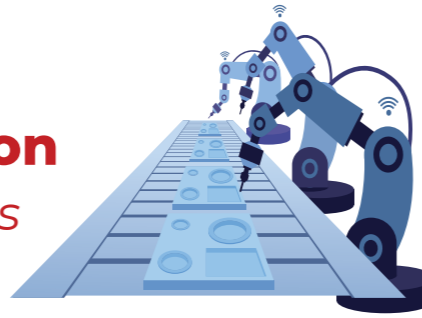


# Fourth CI-LAM Summer School Inspiring new tech-X generation

Spurring the next generation talents  
for advanced manufacturing



**CI-LAM** China - Italy  
Joint  
Laboratory  
on Advanced  
Manufacturing

中意先进制造联合实验室

**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 start-ups in particular – adopt the new industrial paradigms and technologies.**

## THE CI-LAM SUMMER SCHOOL

For the 2022 edition, it is the fourth edition CI-LAM Summer School. The School will be basically held twice a day and will last for one week starting from the Third week of July 2022. It will be delivered in an online plus onsite mixed mode. Two central classrooms (Beijing and Bergamo) are set which offer face to face teaching environment, while online live broadcast is available to students from other countries.

CI-LAM Summer School will be held at the Kilometro Rosso Innovation District (Bergamo), one of the major science park in Europe. The University of Bergamo is one of the resident institutions, with the aim to catalyze all the collaboration opportunities with laboratories and enterprises.

The fourth edition will involve primarily students from University of Bergamo, University of Naples, Tsinghua University but will also open to students from other universities. It is aimed at Master and PhD students. The attendance will be limited to a maximum number of 100 students totally, including 30 students in each side in the classroom, and additional 40 students online.

10 courses will be planned this year. 8 of them are given by professors from universities, 2 of them are given by industrial experts. Each lecture will last 2 hours. Researchers interested on the topics will have the opportunity to discussing R&D matchmaking session about possible bilateral joint research cooperation. The invited Research Groups to each matchmaking session will be in equal number from China and Italian sides. The language will be English.

At the end of the School, the students who finish the courses and pass the tests will receive a "Certificate of Attendance", issued by CI-LAM with the endorsement of the three academic organizing institutions.

Further information can be found on the website  
[www.cilam.org](http://www.cilam.org)

## 2022 Summer School Schedule

	Time		Topics	Lecturer
Day 0	Friday 15 July Italy: 9:00-10:00	China: 15:00-16:00	<i>Opening and Kick off of CI-LAM Summer School</i>	Department Deans, Teachers and CI-LAM Faculty members VIPs
Day 1	Monday 18 July Italy: 8:30-10:30 seminar 10:30-11:30 Match-making	China: 14:30-16:30 seminar 16:30-17:30 Match-making	<i>Silicon-based MEMS process foundation and devices</i>	Prof. Ruan Yong
	Monday 18 July Italy: 12:30-14:30 seminar 14:30-15:30 Match-making	China: 18:30-20:30 seminar 20:30-21:30 Match-making	<i>Bioinspired Generative Design for Additive Manufacturing</i>	Prof. Antonio Lanzotti
Day 2	Tuesday 19 July Italy: 8:30-10:30 seminar 10:30-11:30 Match-making	China: 14:30-16:30 seminar 16:30-17:30 Match-making	<i>Additive manufacturing of medical metal implants</i>	Prof. Wen Peng
	Tuesday 19 July Italy: 12:30-14:30 seminar 14:30-15:30 Match-making	China: 18:30-20:30 seminar 20:30-21:30 Match-making	<i>Plant visit ABB SPA</i>	Dr Fabio Golinelli
Day 3	Wednesday 20 July Italy: 8:30-10:30 seminar 10:30-11:30 Match-making	China: 14:30-16:30 seminar 16:30-17:30 Match-making	<i>Intelligent medical robot and micro invasive precision diagnosis and treatment</i>	Prof. Liao Hongen
	Wednesday 20 July Italy: 12:30-14:30 seminar 14:30-15:30 Match-making	China: 18:30-20:30 seminar 20:30-21:30 Match-making	<i>Cyber-security and Information Security Core Concepts</i>	Prof. Stefano Paraboschi
Day 4	Thursday 21 July Italy: 8:30-10:00 seminar	China: 14:30-16:00 seminar	<i>Plant visit- Foxconn Digital transformation of electronic manufacturing and lighthouse factory</i>	Dr.SHI Zhe
	Thursday 21 July Italy: 12:30-14:30 seminar 14:30-15:30 Match-making	China: 18:30-20:30 seminar 20:30-21:30 Match-making	<i>Technology Entrepreneurship in Advanced Manufacturing</i>	Prof. Gianluca Elia
Day 5	Friday 22 July Italy: 8:30-13:00 seminar 10:30-11:30 Match-making	China: 14:30-16:30 seminar 16:30-17:30 Match-making	<i>Advanced Electric Machines and Control Strategies</i>	Dr.Chunhua Liu
	Friday 22 July Italy: 12:30-14:30 seminar 14:30-15:30 Match-making	China: 18:30-20:30 seminar 20:30-21:30 Match-making	<i>Virtual commissioning of a robotic cell - Functional design and simulation ecosystem</i>	Prof. Nicola Pellegrini

\*All the contents will be in English.