

For Whom

The target participants are MSc and PhD students, young researchers in the broad field of nuclear sciences, engineering and technologies, but also professionals interested in SMR technology.

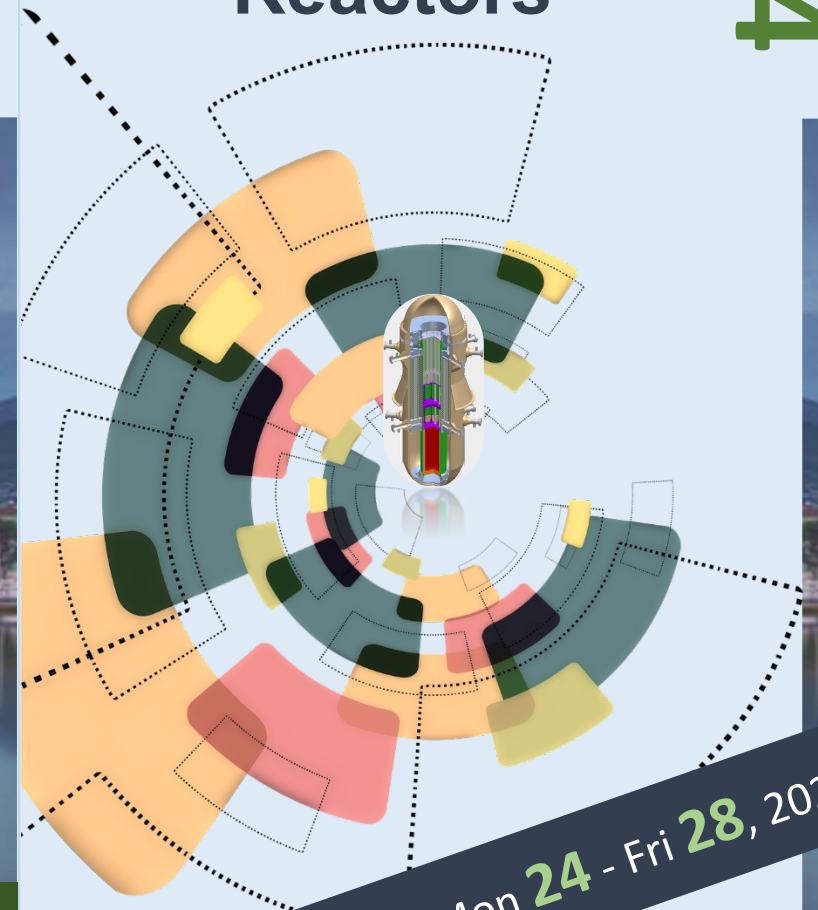
Key Dates

- May 31, 2024**: Application deadline
(Notification of acceptance will be sent to Applicants)
- June 24, 2024**: Welcome & start of lectures
- June 28, 2024**: Visit to labs & end of School

2nd

International Summer School on Early-deployable Small Modular Reactors

2024



June, Mon 24 - Fri 28, 2024

Deadline for application:



May 31, 2024

Fees: Students 500€
Professionals 1000€

30 ENEN2+ fellowships for Students are available

Location

Lecco, ITALY

Politecnico di Milano, Campus of Lecco



The **Application form** is available at:

www.nuclearenergy.polimi.it/SMR2024ss

Should there be any problem with the online registration,

please contact: SMR2024ss-deng@polimi.it

Please upload your short curriculum vitae, which will be used for selection purposes.

The 2024 Summer School programme corresponds approximately to 3 ECTS credits of post graduate-level course work in Nuclear Engineering.

The city of Lecco is situated on "that side of the Lake of Como", which was so dear to Alessandro Manzoni, and where he set his great novel "I Promessi Sposi". Exactly at the point where the lake ends and the river Adda continues its flow.

The city is surrounded by mountains of extraordinary beauty, and its mild climate is typical of lake areas.

more info:

www.nuclearenergy.polimi.it/SMR2024ss

June, Mon 24 - Fri 28, 2024

Mon 24th



09:00 – 12:30

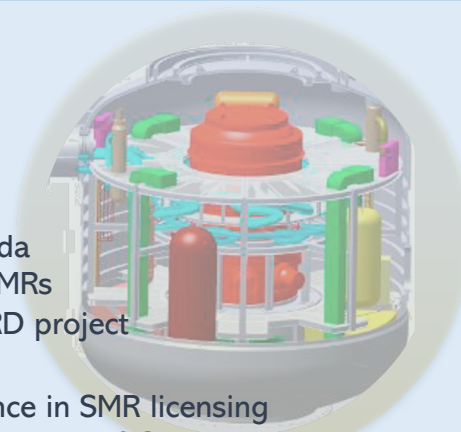
- The role of nuclear in the energy transition
- Status of SMR development in the World
- Economics of SMR & cogeneration

14:00 – 17:30

- Key safety features in SMR designs
- Working Groups on «Design of SMR passive safety system» - 1

Social dinner on the Lake

Wed 25th



09:00 – 12:30

- SMR delivery in Canada
- The EU strategy on SMRs
- EU SMRs: the NUWARD project

14:00 – 17:30

- International experience in SMR licensing
- Working Groups on «Design of SMR passive safety system» - 2

Tue 26th

09:00 – 12:30

- SMR: how to design an experimental facility
- Nuclear safeguards and SMRs
- Stakeholder needs and Public engagement for SMRs

14:00 – 17:30

- Working Groups “SMR deployment and stakeholders’ interaction”

Tue 27th

09:00 – 12:30

- EU SMRs: district heating project
- Industrial interest on SMR/AMR & Nuclear Hybrid Energy Systems (1+2)

14:00 – 17:30

- European AMR
- International MMR
- Project works on safety system: presentations & discussion

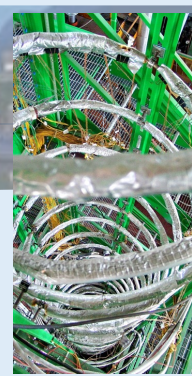
Fri 28th

09:00 – 12:30

- Visit to SIET experimental labs (Piacenza)

14:00

- Certificates & Summer School closure



The learning objective of the School is to guide the participants to approach the Small Modular Reactors in a **holistic way**. The focus will be on **Light Water SMRs**, the most early-deployable technology, but **Advanced Modular Reactors** and **Micro Reactors** will be addressed as well.

Lectures will be offered by **international experts**. A Q&A and discussion session with the floor will conclude each seminar. The design of a **passive safety system** and a **public engagement debate** will be the challenges for the **Working Group activities**.

Lecturers from:

IAEA	Ontario Power Generation
Politecnico di Milano	EdF
Canadian Nuclear Safety Com.	Ansaldo Nucleare
SIET	Newcleo (tbc)
USNC (tbc)	and other international organisations

Accommodation

Some rooms in POLIMI residence available. Nearby Hotels are available.

The final programme of the Summer School & key info will be published here: www.nuclearenergy.polimi.it/SMR2024ss

School co-Directors:
prof. Marco Ricotti, prof. Stefano Lorenzi