



C I R T E N

Consorzio Interuniversitario per la Ricerca **T**ecnologica **N**ucleare
INTERUNIVERSITY CONSORTIUM FOR TECHNOLOGICAL NUCLEAR RESEARCH



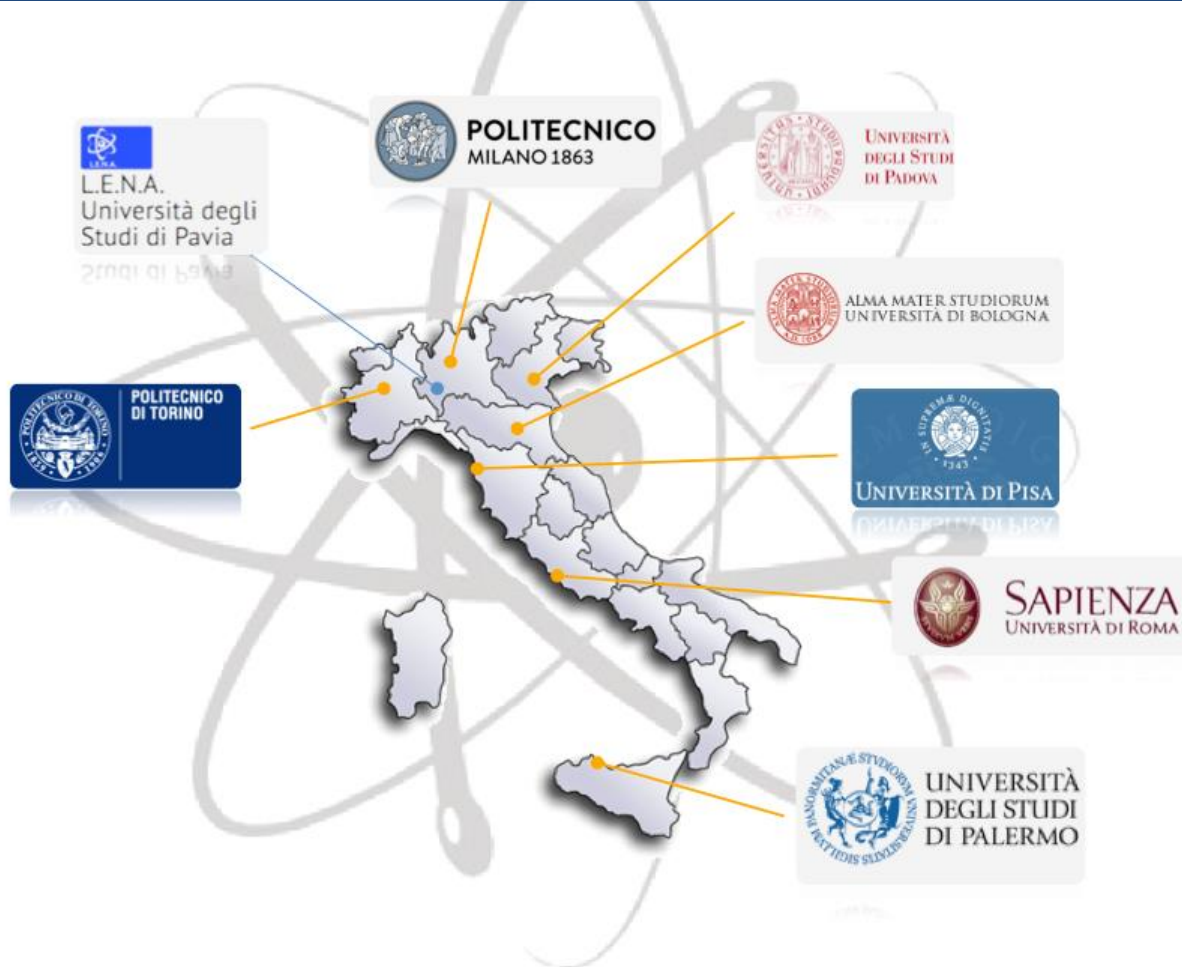
Preservation of Nuclear Engineering education in Italy

“The uncommon story of Nuclear Education in a Non-Nuclear Country”

Prof. Marco E. Ricotti
CIRTEN President

Italian Nuclear Universities

CIRTEN Consortium since 1994
Nuclear Education in Italy since '50s



Higher Education offer:

- MSc in Nuclear Engineering
or
- MSc in Energy Eng. (with Nuclear Eng. courses)
- PhD in Nuclear Science & Technology
or
- PhD in Energy (with Nuclear Eng. R&D)

CIRTEN groups & R&D areas

Nuclear Reactors
(Fission, Fusion)

Reliability, Availability,
Maintenance & Safety

Radiochemistry

Radiation Protection

Radiation Measurement
& Instrumentation

Reactor Physics

- **Nuclear Energy** Power and **Fuel Cycle Plants**
- Nuclear reactor **thermal-hydraulics**
- **Neutron transport** in reactors
- Nuclear and Industrial Plants **Design, Operation and Safety**
- Environmental **Safety, Impact and Protection**
- **Radiation protection**, Shielding and Effects of Ionizing Radiations on Materials
- **Decommissioning** of Nuclear Installations & **Waste Management**
- **Industrial / Medical** Applications of Radiation
- **Fusion** reactor physics and engineering



65 permanent staff professors

>70 young researchers
(PhD, research assistants)



Experimental labs



>140 new students/year
(MSc + PhD programmes)



European partnership



IAEA
International Atomic Energy Agency

International activities



National stakeholders



EURATOM projects



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Prof. Marco Ricotti
CIRTEN President

www.cirten.it

Reasons for success?

Good reputation
on nuclear education

Good career
in nuclear as well as in
non-nuclear areas

International
experience
(e.g. ENEN)

Physics & Maths
+
Multidisciplinarity

