

SEASONAL SCHOOL
QUANTUM SCIENCE AND TECHNOLOGY
Theoretical section/Experimental section
Academic Year 2025/26

Art. 1

Establishment of the course

The Scuola Normale Superiore, together with the Scuola Superiore di Studi Avanzati – Sapienza and the Scuola Galileiana di Studi Superiori, is organizing for the academic year 2025/2026—within the framework of the MERITA Project, the Network for Talent—two advanced training courses entitled **“Quantum Science and Technology.”**

The initiative is funded under the Piano Nazionale di Ripresa e Resilienza (PNRR – National Recovery and Resilience Plan), Mission 4 Education and Research, Component 1, Investment 3.4 **“Advanced university training and skills – Reinforcement of the Scuole Universitarie Superiori”**, pursuant to Director’s Decree No. 594/2024.

The school will consist of two separate sections:

- **Theoretical Section**, focusing on theoretical aspects of quantum science and technology
- **Experimental Section**, focusing on experimental implementations and methodologies

The courses will be held **in person** at Fondazione Conservatorio di Santa Chiara (San Miniato, Pisa) according to the following schedule:

- **May 4–8, 2026** – Theoretical Section
- **May 11–15, 2026** – Experimental Section

The official language of the course is English.

Each section will admit a maximum of 50 participants.

Art. 2

Educational objectives

The course “Quantum Science and Technology” aims to provide up-to-date doctoral-level training in the field. Lectures delivered by leading experts will cover the main topics of quantum science, ranging from foundational principles to applications in quantum communication, quantum computation, and quantum sensing.

The school will be organized into two sections:

- one dedicated to participants interested primarily in theoretical aspects,
- one dedicated to participants interested primarily in experimental aspects.

Art. 3

Eligibility and Admission Requirements

The activities described above are intended for:

- **PhD students** enrolled at Italian or international universities
- **Early-career researchers** active in the field of quantum science and technology

Admission requirements. Applicants must satisfy one of the following conditions:

- be **enrolled in a PhD programme** related to quantum science and technology, or
- be **actively engaged in research activity** in the field.

Selection procedure. Priority will be given to:

- PhD students conducting doctoral research in quantum science and technology,
- early-career researchers whose research projects fall within the scope of the School.

Selection will be based on:

- curriculum vitae and
- motivational statement.

Art. 4

Organization of the Course

Each day of the School will consist of approximately six hours of lectures, with ample time dedicated to discussion and interaction with the lecturers.

All participants will have the opportunity to present their research activity during dedicated sessions.

Organising committee of the course: Fabio Beltram, Stefano Fantoni, Vittorio Giovannetti, Ludovico Lami, Simone Montangero, Fabio Sciarrino.

Art. 5

Application procedure

Applicants wishing to participate must submit an application with the following link (coming soon).

Deadline: 7 April 2026.

The application must specify which of the two sections (Theoretical or Experimental) the candidate intends to attend.

The following documents must be attached on pain of exclusion:

- Motivational statement (maximum 5,000 characters) clearly indicating the chosen section
- Up-to-date CV
- Copy of a valid identity document

Applications submitted after the deadline or in a different form from that specified in this notice will not be considered.

False or misleading declarations are punishable under the Penal Code and pursuant to Articles 75 and 76 of D.P.R. 445/2000.

At any stage of the procedure, including after the beginning of the Course, the Scuola may verify the accuracy of the declarations submitted and may request the original documentation. In the event of false declarations, the Scuola may issue a Rector's Decree excluding the applicant, without prejudice to any criminal liability.

Art. 6

Participation fees and benefits

Participation in the course is **free of charge**.

Admission includes:

- participation in all lectures
- educational materials
- meals and accomodation on the days when the course takes place

Participants may also apply for travel support if they are unable to obtain such support from other sources. Travel reimbursement is not guaranteed and will depend on the availability of funds.

Art. 7

Acceptance procedure

Applicants admitted to the course who intend to participate must confirm their attendance within the deadline and according to the procedures specified in the admission notification.

Failure to confirm participation by the indicated deadline will result in exclusion from the course.

Art. 8

Certification issued

At the end of the course, participants who have attended at least 80% of the lectures will be awarded a certificate of participation issued by the Scuola Normale Superiore, valid within the limits permitted by law.

Art. 9

Processing of personal data and manager of the procedure

EU Regulation 2016/679, the General Data Protection Regulation, is applicable to the candidates' personal data processing.

The Data Controller of the personal data provided by the interested parties is the Scuola Normale Superiore, a public university institute, located in Piazza dei Cavalieri, 7 Pisa - 56126, in the person of its Director and pro tempore legal representative.

Applicants' personal data will be collected by the Scuola for the purposes of the selection/admission procedure and will be processed for the fulfilment of the same, and, for successful applicants, for the subsequent career management of the PhD students and all connected activities.

Personal data are thus provided to the SNS for the performance of tasks of public interest or at any rate connected to the exercising of its public powers, including the purposes of archiving, historical research and analysis for statistical purposes. Personal data will be processed, also with automated tools (software and databases administered by the SNS and hosted by any contracting entities), in compliance with the principles of accountability, lawfulness, correctness, minimization, transparency, integrity, accuracy, confidentiality and proportionality.

The personal data collected will be communicated or transferred to third parties (public and / or private parties) in the context of institutional relations, for the fulfilment of legal obligations or regulations or of contracts, within the services required by the SNS (access to facilities, etc.).

The personal data collected may be communicated or transferred to parties established in third countries, but only if suitable data protection guarantees and conditions have been ascertained.

The personal data collected will be published on the official online register and on the SNS's institutional website if specified by the law and other regulations of the SNS.

The personal data collected will be processed and stored for the time strictly necessary to achieve the purposes for which they have been collected, with the application of the regulations concerning documentation storage by public institutions.

The data subject may at all times exercise the following rights:

- a) access to personal data, under the terms and conditions of Art. 15 of the Regulations;
- b) the rectification, erasure or restriction of the processing of personal data, under the terms and conditions of Articles 16-18 of the Regulations; erasure is not permitted for data included in any documents that the SNS is required to keep;
- c) the portability of data, under the terms and conditions of Art. 20 of the Regulations;
- d) objection to the processing of his or her data, under Article 21 of the Regulations;
- e) the right to submit a complaint to the Data Protection Authority, by sending a request to the e-mail address privacy@sns.it or via PEC (certified e-mail) to the e-mail address protocollo@pec.sns.it.

For any further information, please contact the Data Protection Officer (DPO), at the e-mail address dpo@sns.it

Art. 10.

Final provisions and referrals, information

The head of the Teaching Activities Service, Dr. Silvia Marcacci, is the administrative manager of the procedure.