

School of Metrology

QUANTUM TIMEKEEPERS 2025:

Emerging Systems and Architectures for Atomic Clocks

Sept. 29th – Oct. 3rd 2025

Casa delle Tecnologie Emergenti
Via San Rocco 1 Matera, Italy

This is an advanced, in-person school **for MSc students, PhD students & early-career postdocs** interested in the fundamentals and latest developments of optical atomic clocks.

CONFIRMED SPEAKERS AND TOPICS:

Kjeld Beeks: Nuclear clocks

José R. Crespo Lopez-Urrutia: Highly charged ions

Melina Filzinger: Multi-ion clocks

Irene Goti: Lattice clocks

Nils Huntemann: Transportable optical clocks

Matthew Jones: Rydberg dressing in tweezers

Jérôme Lodewyck: Cavities for optical clocks

Florian Schreck: Superradiance & atomic sources

Alexandra Tofful: International clock comparisons

Mario Siciliani de Cumis: Atomic clocks in space technology

ORGANIZING COMMITTEE

Dr. D. Calonico (INRiM), Dr. N. Huntemann (PTB),
Dr. I. Goti (INRiM), Dr. M. Tarallo (INRiM),
Dr. C. Sias (INRiM)

STUDENT POSTER SESSION & HOT-TOPIC FLASH TALKS

For questions please contact:
quantum.timekeepers@inrim.it

Registration details and application form available: www.quantumtimekeepers2025.org

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