ICFO

# SEMINAR: Quantum information processing with integrated photonic technologies

NICOLO SPAGNOLO

December 12, 2024
10:00 to 11:00
Seminar Room

Photonic implementation of quantum information protocols represents one of the most promising platforms, due to the intrinsic properties of photonic information carriers. In recent years, several developments have led to implementation of photonic systems with progressively increasing size, exploiting different degrees of freedom as well as different platform. In this seminar we will discuss recent implementations of quantum information protocols with integrated photonics performed at the Quantum Lab of Sapienza Universita di Roma, showing their application in different fields such as quantum computing and sensing.
**Hosted by:** Prof. Dr. Valerio Pruneri