



Il Colle di
Galileo

INO Annual Symposium 2016

From a Quantum Perspective

27 October - Area della Ricerca CNR Via Madonna del piano 10, 50019, Sesto Fiorentino

28 October - Istituto Nazionale di Ottica Largo Enrico Fermi 6, 50125 Firenze Arcetri

Summary. In view of the announced flagship initiative of the European Commission, the 2016 edition of the CNR INO Annual Symposium is especially focused on Quantum Technologies. The Symposium celebrated the official opening of the renovated CNR INO historical headquarters in Arcetri.

Keywords. Light, Optics, Quantum physics, Quantum technologies, Arcetri.

On 27 and 28 October 2016, during the Annual Symposium of CNR INO held at the Research Area in Sesto Fiorentino and at the CNR INO headquarters in Florence on the Colle di Arcetri, scientists gathered with politicians and entrepreneurs to discuss future research prospects in strategic growth areas such as optics and photonics. In particular, Quantum Technologies were discussed, a field which has produced several Nobel Laureates, most recently for Physics in 2016. The strategic importance of this field has been recognized by the European Commission, which has launched a ‘flagship’ involving investment in research of 1 billion euros in 10 years. This year’s guest speaker was Tommaso Calarco of Ulm University, promoter of the Quantum Manifesto, a document shared by more than 3,600 researchers, entrepreneurs and institutional representatives with the aim of placing Europe at the forefront of emerging technology challenges worldwide. Italy and Florence are playing a key role in this area.

On the occasion of the event, with the patronage of the Region of Tuscany and of the City of Florence, the CNR INO headquarters was inaugurated on the Arcetri hill after undergoing lengthy restoration.

Together with Massimo Inguscio, President of CNR, and Paolo De Natale, director of CNR INO, the event was introduced by Cristina Giachi, Deputy Mayor of the Municipality of Florence, Lorenzo Bacci, Manager of University Study and Research Support for the Region of Tuscany, and Monica Barni, Vice President of the Region of Tuscany.



Figure 1. Lorenzo Bacci, Manager of University Study and Research Support for the Region of Tuscany, Massimo Inguscio, President of CNR, Cristina Giachi, Deputy Mayor of the Municipality of Florence and Paolo De Natale, director of CNR INO.