

Luigi Moretti has the master's degree in physics at the University "Federico II" of Naples in 1999 with a thesis focused on molecular spectroscopy of the water vapour, he carried out a scholarship at the Institute for Research Electromagnetics and Electronic Components of the National Research Council where he worked on optoelectronics in silicon and characterization of devices. He received his PhD in Electronic Engineering at the University of Calabria in 2003 with a thesis on porous silicon optical sensors and photonic devices, carrying out his activity in collaboration with the Institute for Microelectronics and Microsystems of the CNR.

In December 2004 he became an Electronics researcher at the "Mediterranean" University of Reggio Calabria. He has carried out research activities in the field of porous silicon optical sensors and in the field of bio-inspired photonics and photonics with particular attention to the design and study of devices based on metamaterials.

In 2009 he moved to the Department of Mathematics of the Second University of Naples where he was involved in the experiments for the spectroscopic determination of the Boltzmann constant and in the study of the spectral line profiles of molecules of atmospheric interest.

Since 2015 he is Associate Professor of Matter Physics.

Luigi Moretti is referee of various international reference journals in the field of optics (Optics Express, Optics Letters, Scientific Reports, Applied Physics Letters). He is the author of over 70 publications in international journals and has been speaker of contributions (some of which by invitation) in many national and international conferences.

Since 2017 he has been involved in the design, fabrication and characterization of a multipass cavity as part of the INFN project entitled Physics with MUonic Atoms (FAMU). The aim of the project is the measurement of the Zemach radius in muon hydrogen, within the framework of the problem relating to the determination of the proton radius.