

Lucio CALCAGNILE is Full Professor of Applied Physics in Italy at the Department of Mathematics and Physics of the University of Salento since 2005.

He was guest scientist at AMOLF Institute for Atomic and Molecular Physics in Amsterdam at the Tandatron Laboratory – CNRS Gif sur Yvette, France, the AGLAE Laboratory, Ministry of Culture, in Paris and at the Leibniz Labor for Isotope Analyses, University of Kiel, Germany. He is the founder and the director of the CEDAD-Center of Applied Physics, DAting and Diagnostics of the University of Salento.

He is leader of the Applied Physics Group. He was Deputy Director of the Department of Mathematics and Physics at the University of Salento where he is member of the Scientific Committee of the School of Excellence ISUFI (Higher Institute for Interdisciplinary Training).

At present he is co-responsible for the University of Salento of the Bio Open Lab Project, and prp@ceric PNRR project and he is co-responsible of the BIO-Open Lab project for the enhancement of the CERIC-ERIC European Infrastructure and the prp@ceric PNRR project. Moreover he is responsible of the Project for the enhancement of the European Research Infrastructure PER ACTRIS- IT-Aerosol, Clouds and Trace Gases. He is Chief Scientific Investigator of the research program F11024 between the IAEA and the University of Salento "Sub-cellular imaging and irradiation using accelerator-based techniques" (2023-2028).

His research interests include materials engineering and characterization of new materials, photocatalytic materials, sensors and radiation detectors by ion beam analysis techniques, ion and laser interaction with matter, ion beam implantation, accelerator mass spectroscopy, stable and radioactive isotope analyses for applications in Environmental Sciences and cultural heritage.

He was co-chairman of the AMS-11 The Eleventh International Conference on Accelerator Mass Spectrometry held in Rome in 2008. He is member of the International Advisory Committee of the AMS Conference, C14 and Archaeology, Environment and Radiocarbon Conferences. He will be co-chairman of the 4th International Radiocarbon in the Environment Conference, 22-27 September Lecce, Italy.

His teaching activity includes courses in General Physics, Applied Physics, Nuclear Analysis of Materials, Optics, Mass Spectrometry Techniques, Physical Techniques for Environmental Sciences.

He is coauthor of more than 250 scientific papers on international journals and he was responsible of various national and international research projects on Material Science. He gave more than 50 invited talks and lectures in Italy and abroad.