

GIUSEPPE CHIRICO¹, personal and scientific curriculum

Current: full professor of Applied Physics, Dep. of Physics and Nanomedicine Center, School of Sciences, University of Milano Bicocca, Milano (I).

Education and positions.

1986 Laurea degree in Physics (univ. of Milano, I)
1989 PhD in Biophysics (univ. of Milano, I).
1990 Post-doc in Biophysics at the European Molecular Biology Laboratory (EMBL) in Grenoble (F)
1990-2000 University research fellow in Solid state Physics, Univ. of Milano (I)
1994- Research fellow at the German Cancer Research Center, Heidelberg (D).
2000-2004 Associate Professor in Applied Physics at the Univ. of Milano-Bicocca (I)
2005-present Full professor in Applied Physics at the Univ. of Milano-Bicocca (I)

Scientific activity².

The research activity of G.C. is in laser spectroscopy and microscopy for biophysics and photonics. The main research interests of GC are in nanotechnology applied to biophysics and medical physics and in the field of optical and thermal imaging. Active projects deal with development of smart materials for nanomedicine and high resolution optical and thermal imaging. GC is author and co-author of more than 170 publications on scientific journals and books and co-inventor in two patents (medical devices). H-factor = 27; citations = 2600

Research keywords: Biophysics, optical microscopy, Fluorescence Correlation Spectroscopy and Imaging, Nanoparticles, fluorescent proteins, numerical simulations of polymeric and cellular systems, thermal imaging, deep learning, Physics education.

Committees.

1998-2002 member of scientific committee of the biophysics section of INFM (Istituto Nazionale Fisica Materia).
2008-2012 member of the scientific committee the Italian Biophysics Society (SIBPA);
2010-present member of the editorial board of scientific journals, PLOS ONE and Current Biotechnology (Bentham)
2017-present member of the International Society for Optics and Photonics (SPIE).
2018-present member of the National Committee for the National University Habilitations in Applied Physics (ASN, 2018-2020) of the Ministero dell'Istruzione Università e Ricerca (MIUR).

Outreach.

- director of the PhD school in Physics and Astronomy, Univ. of Milano-Bicocca 2006-2010
- director of the training courses for the high school teachers in Physics (PAS, 2012-14).

Projects. GC has been principal or local coordinator of six national research project, one national project on education for high schools (Progetto Nazionale Lauree Scientifiche), one European project (FP7), several projects founded by private foundations (Fondazione Cariplo, Fondazione Banca del Monte, U4I, Zambon -Zcube), two regional projects (Regione Lombardia).

Milano, 20 June, 2019.

¹ <https://www.unimib.it/giuseppe-chirico>

² <https://www.fisica.unimib.it/ricerca/biofisica/milano-bicocca-biophysics-and-biophotonics-group/research>