

Name **Current Appointment**
Alberto Del Guerra Adjunct Professor of Medical Physics, Department of Physics, University of Pisa

Personal

Date of birth: September 12, 1944
 Nationality: Italian
 Current Position: Retired Professor from University of Pisa

Education/training

Dept. of Physics, Univ. of Pisa, Italy	3 years Post-doc	1968-71	High Energy Physics
Dept. of Physics, Univ. of Pisa, Italy	<i>Laurea</i> (MS) in Physics	1962-68	Physics

Present Appointments

Nov 1, 2014- to date - *Adjunct Professor of Medical Physics*, Department of Physics, University of Pisa
 Nov 1, 2013- to date - *PI and Coordinator of the EU-FP7 funded Project TRIMAGE* (2013-2017)
 Nov 1, 1998- to date- *Research Associate of INFN* (National Institute for Nuclear Physics), *Pisa* branch

Previous appointments

March 2013-June 2013 – *Visiting Professor, Department of Radiology*, University of Washington, USA
 2009 - October 31, 2014- *Professor of Medical Physics*, Faculty of Physics, University of Pisa
 June 1, 1999- October 31, 2014 - *Head and Director, Specialty School in Medical Physics*, Faculty of Medicine, University of Pisa
 Nov 1, 1998 - October 31, 2014- *Professor of Medical Physics*, Faculty of Medicine, University of Pisa
 Nov 1, 1998 - October 31, 2014- *Research Group leader (Functional Imaging and Instrumentation Group)*
 Department of Physics, University of Pisa
 1991-1998- *Professor of Medical Physics*, Faculty of Science, University of Ferrara
 1991-1998- *Research Group leader*, Department of Physics, University of Ferrara
 1987-1991- *Professor of Physics*, Faculty of Science, University of Napoli
 1987-1991- *Research Group Leader*, Department of Physics, University of Napoli
 1981-1982 - *Visiting Scientist at Lawrence Berkeley Laboratory (Division of Physics) and Fulbright Scholar*
 1975-1987 - *Associate Professor of Physics*, Faculty of Science, University of Pisa
 1975-1987 - *Research Group leader*, Department of Physics, University of Pisa

Other Academic responsibilities

2000-2014 Faculty member of the PhD School in Applied Physics, University of Pisa
 2000- 2014 Faculty member of the Specialty School in Nuclear Medicine, University of Pisa
 1999- 2014 Faculty member of the Specialty School in Radiology and Radiotherapy, University of Pisa
 1994-1997 Chairman of the Faculty of Physics for undergraduate studies, University of Ferrara
 1988-1991 Faculty member of the Specialty School in Nuclear Medicine, University of Napoli

Teaching Responsibilities: current appointments

Nov 1, 2014- to date- Medical Physics, 4th year MS in Physics, Univ of Pisa
 Nov 1, 2014-to date - Medical Physics, Specialty School of Medical Physics, University of Pisa

Other Academic Teaching Responsibilities (Student Supervisor)

Thesis (*defended*) Supervisor of 65 students: 11 PhD, 10 Specialty School, 36 MS, 8 BS in Physics and related disciplines

Long-term appointments

2013- to date Member of the International Strategy Committee (ISC) of CERN for Medical Applications
 2003-to date Member of the International Panel of Assessors for the FP6, FP7 and Horizon of the EU
 1997-to date Member of the International Panel of Assessors for the Italian Ministry of University and Research (MIUR) for Research Large Grants

Major Long-term appointments (expired)

2011-2014 Elected Member to ADCOM of IEEE-NPSS (4-year term)
 2010-2013 Member of the Science Committee of the IOMP (3-year term)
 2008-2010 Member of the PPC of European Congress of Radiology 2008 and 2009 and 2010
 2007-2013 Member of the Physics Committee of the EANM
 2006-2007 Past- President of the *European Federation of Organisations for Medical Physics*
 2003-2005 President of the European Federation of Organizations for Medical Physics (3-year term)
 2002-2003 Vice President of the European Federation of Organizations for Medical Physics
 1988-2007 Editor in chief of the journal: "Physica Medica: European Journal of Medical Physics"

Present Research Interest: MEDICAL IMAGING

- Nuclear Medicine & Molecular Imaging*
- Small Animal PET, SPECT and CT scanners
 - Simulation and reconstruction algorithms for 3-D animal SPECT, PET and CT scanners
 - Applications of preclinical instrumentation to molecular imaging
 - Cerenkov Imaging
- Combined Modalities*
- Combined CT-PET, CT-SPECT and PET-SPECT modalities for small animal imaging
 - Combined PET-MRI scanners for brain imaging
- Radiotherapy*
- PET *in vivo* dosimetry for hadron therapy
- Radiation Detector*
- New solid state photodetectors: the Silicon Photomultiplier (SiPM)-Development and applications to TOFPET and PET/MRI
- Magnetic Resonance Imaging and fMRI*
- Ultrahigh Field MRI (7T)
 - Special Coil design for MR

Most recent Achievements in Research Leadership

- 2013-to date-PI and Coordinator of the EU-FP7 funded Project TRIMAGE
- 2012-2016- Responsible of the Unit of Pisa of the EU-FP7 funded Project ITN-Ultra High Field MR
- 2008-to date - Representative of the University of Pisa in the Scientific Committee of the IMAGO7 foundation, [established for the running of a 7T MR facility at Pisa].

SCIENTIFIC PUBLICATIONS (as from ISI WEB of Sciences (accessed 4 April 2016, see below))

h-index	27
Citation Report	363
Sum of times cited	2878
Book	1
Chapters of Books	> 15
Papers in Italian Journals and Proceedings of Italian meetings	> 30
Invited lectures at international conferences/meetings	> 50
Communications at meetings, Internal reports, Abstracts etc.	>125
Patents	2

Website: <http://www.df.unipi.it/~fig/>

Awards and recognitions

- IEEE NPSS Fellow (2012), Life Fellow from 2017
- IEEE NPSS distinguished Lecturer (2017)
- Honorary Member of EFOMP (2009)
- Honorary Editor of Physica Medica- EJMP (2008)
- Honorary Member of DGMP (1996)