

Prof. Gaetano Assanto
NooEL – *Nonlinear Optics and OptoElectronics Laboratory*
DIIEM - Department of Industrial, Electronic and Mechanical Engineering
University “Roma Tre”, Via della Vasca Navale 84
00146 Rome, ITALY

E-mail: gaetano.assanto@uniroma3.it

Scopus ID: 7005307037

ORCID ID: 0000-0002-3070-5250

Website: <http://optow.ele.uniroma3.it/>

Mobile Tel. No. (+39) 329 0571045

Personal Data

Date and place of birth:	February 9, 1958 - Palermo (Italy)
Sex:	Male
Citizenship:	Italian
Marital status:	Married

Education

MSc ("laurea"), University of Palermo (Italy)	July 16, 1981
Ph.D. ECE, Italian Ministry of University & Scientific Research	Nov. 24, 1987

Work experience

Habilitation to Full Professor in Electronics	09/1999
Associate Professor, Electron. Eng., U. “Roma Tre” (Italy):	11/1995
Assistant Professor, Electron. Eng., U. “Roma Tre” (Italy):	11/1992
Sen. Research Scientist, C.R.E.O.L. (Orlando, USA):	9/1990 - 10/1992
Research Scientist, Optical Sciences Center (Tucson, USA):	7/1988 - 8/1990
Research Eng., Ctr. Electron. Research Sicily (Palermo, Italy):	1/1987 - 6/1988
T.A. in Optoelectronics, ECE, U. of Palermo (Italy):	8/1986 - 12/1986
T.A. in Nonlinear Optics, OSC, Univ. of Arizona (Tucson, USA):	1/1986 - 6/1986
T.A. in Optical Radiation Detectors, OSC, U. of Arizona (Tucson, USA):	1/1985 - 6/1985
T.A. in Electronic Devices, EE, U. of Palermo (Italy):	8/1984 - 12/1984

Awards

- Fulbright scholar (1983-1986)
- ISEP scholar (Univ. of Iowa) (1983-84)
- CNR (National Research Council, Italy) grantee (1988-89)
- OSA (Optical Society of America) Fellow (2000)
- IEEE-LEOS Senior member (2006)
- Invited Professor CNRS-INLN (Jan.-March 2008)
- Invited Professor Univ. de Nice Sophia Antipolis (Apr.-May 2009)
- IEEE Distinguished Lecturer of the Photonics Society (2009-2011)
- Zeiss Professor at the Friedrich-Schiller Universitat - Jena (Germany) (May & Sept. 2010)
- Visiting Professor at the Universidad de Vigo (Spain) (June 2010)
- Visiting Professor at KAUST (Saudi Arabia) (Oct.-Nov. 2012)
- IEEE (Photonics Society) Fellow (Nov. 2012)
- Visiting Professor at ANU (Australia) (Jan.-Feb. 2013)
- Honorary Professor at Univ. of Wollongong (Australia) (Dec. 2013-Mar. 2014)
- Visiting Professor at UNAM (Mexico) (Mar.-Apr. 2014)
- Visiting Professor at Warsaw Technical University (Poland) (May-June 2014)
- Visiting Professor at Regensburg Technical University (Germany) (Nov. 2017)
- Finland Distinguished Professor at Technical Univ. of Tampere (2014-2018)

Curriculum Vitae

Education

After his "Laurea" degree (Magna cum Laude) in Electronic Engineering, in April 1982 Gaetano Assanto became Lieutenant Instructor of Electronics and Radars at the Technical School of Artillery in Rome. Selected as PhD student (I cycle) in Electrical and Computer Engineering at the University of Palermo, with a Fulbright scholarship and an ISEP grant in August 1983 he joined the Dept. of Electrical and Computer Engineering at the University of Iowa (Iowa City, USA), as a PhD student the supervision of Prof. A. Korpel. In January 1985 Dr. Assanto joined the Optical Sciences Center at the University of Arizona (Tucson, USA), involved in doctoral research on nonlinear guided-wave optics under the supervision of Prof. G.I. Stegeman. Dr. Assanto completed his Ph.D. dissertation in December 1986; in November 1987 he received his Ph.D. in Electrical and Computer Engineering from the Italian Ministry for Education University and Research (MIUR).

Work

From January 1987 to July 1988 G. Assanto was Research Engineer at the Center for Electronic Research in Sicily (Italy). In July 1988 he joined the University of Arizona as a Research Associate in nonlinear guided-wave optics with Prof. G.I. Stegeman. From September 1990 to October 1992 he joined the Center for Research in Electro Optics and Lasers at the University of Central Florida (Orlando, USA) as a Senior Research Scientist. After a nationwide selection, on Nov. 1st, 1992 Dr. Assanto became Associate Professor at "La Sapienza" University in Rome (Italy) and opted to join the Faculty of Engineering at the new-established "Università Roma Tre" (Rome, Italy). In October 1999 he qualified for a full professorship in Electronics (SSD ING-INF/01). At present Gaetano Assanto is full professor of Electronics at "Università Roma Tre" and teaches courses of Optoelectronics and Nonlinear Optics for the Master of Science ("Laurea Magistrale") in Electronics for Industry and Innovation.

Academic achievements and recognitions

In 2008 Dr. Assanto was Invited Professor at the "Institut Non Lineaire de Nice" (CNRS, France); in 2009 he was Invited Professor at the "Université de Nice-Sophia Antipolis"; in 2010 Visiting Professor at the Universidad de Vigo (Spain) and, later, Zeiss Professor at the "Friedrich-Schiller Universitat" in Jena (Germany). In 2012 he was Visiting Professor at KAUST, the King Abdullaev University of Science and Technology (Saudi Arabia) and in 2013 at the Australian National University (Australia). During 2014 he was Honorary Professor at the University of Wollongong (Australia), Visiting Professor at the "Universidad Nacional Autonoma de Mexico" (Mexico) and the Technical University of Warsaw (Poland). From Sept. 2014 to Aug. 2018 he was Finland Distinguished Professor with the Dept. of Physics of the Tampere University of Technology. From Nov. 2019 to March 2020 he was Visiting Professor at the University of Warsaw (Faculty of Physics, Poland).

Research roles and services

Dr. Assanto was 2005-2008 chairman of the LEOS Technical Committee in Nonlinear Optics; 2002-2008 Topical Editor of the Journal of the Optical Society of America B, 2007 General Chair of OSA "Nonlinear Photonics", Chair of IEEE-LEOS 2008 Winter Topical on "Nonlinear Optics in Liquid Crystals", Chair of the Workshop "Nonlinear Guided Waves IV" in 2010, Guest editor of "Light Beams in Liquid Crystals" for Applied Sciences (2020-2021). He has served and serves as Program/Scientific Committee member or chairman in various conferences (QELS, CLEO-Europe, IEEE-LEOS Ann. Meet., ICONO, ICTON, NOA, MOA, SPIE Optics East, SPIE Optics and Optoelectronics, OSA-NLGW Top. Meet., IQEC, ICFPAM, etc.) as well as various NATO Advanced Study Institutes.

He is a Fellow of the Optical Society of America (OSA), a Fellow of the Institute of Electrical and Electronics Engineers (IEEE) and the Lasers and Electro-Optics Society (LEOS); past member of the National Interuniversity Consortium for the Structure of Matter (CNISM), the National Institute for Nuclear Physics (INFN) and the Italian Group of Electronics (GE). He serves as Expert Evaluator for the European Union, ANVUR-CINECA, the Science Academy of Finland, the Romanian Research Council, the Italian Ministry for Education and Research, the CSEA ("Cassa per i Servizi Energetici e Ambientali"), the Italian Ministry for University and Research (MUR), the Italian Ministry for the Economic Development (MSE), the Italian Ministry for Ecologic Transition (MiTE), the Italian-Israeli Foundation, the Chilean National Science and Technology Commission (CONICYT - Chile), the European Science Foundation (ESF), the Kuwait Foundation for the Advancement of Sciences (KFAS), the King Fahd University of Petroleum & Minerals (KFUPM, Saudi Arabia), the Qatar University-Doha, the Research Foundation Flanders (FWO), the Qatar National Research Foundation (QNRF).

He was member of the Executive Committees of the IEEE-LEOS-Italian Chapter and of the Italian Liquid Crystals Society (SICL); Distinguished Lecturer of the IEEE (Photonics Society) for two terms, in the years 2009-2011; member of the Editorial Board of IEEE Photonics J., OSA Optics Letters. Currently he serves the editorial boards of the Hindawi Int. J. Optics, the J. Nonl. Opt. Phys. and Materials, Advances in Appl. Phys., Scientific Reports, MDPI Appl. Sciences "Optics and Lasers", MDPI Photonics, IOP J. Optics.

Prof. Assanto has coauthored about 500 journal papers with a current Hirsch factor of 59 (62/67) according to the Web of Science (Scopus/Google Scholar), with more than 14,000 citations. He ranks 53rd among the Top Italian Scientists (VIA Academy-Physics).