



## **Gaetano Scamarcio**

*full professor of Physics*

*Università degli studi di Bari "Aldo Moro"*

Physics Department, via Amendola 173, 70126, Bari, Italy

e-mail: [gaetano.scamarcio@uniba.it](mailto:gaetano.scamarcio@uniba.it)

tel/fax +39 080 5443234; cell: +39 329 3178716

Born in 1962, he is full professor of Physics since 2002. He graduated in Physics in 1985 and received the PhD in Physics in 1989. From 1989 to 1990 he has been a research fellow at the Max-Planck-Institute für Festkörper-forschung, Stuttgart, Germany, and in 1992 a visiting scientist at the Walter-Schottky-Institute, Garching, Germany. In the period 1994-1996, in 2000 and 2001 he has been a visiting scientist of Bell Laboratories, Lucent Technologies (formerly AT&T), Murray Hill, NJ (U. S. A.). In 2006 he has been invited professor at the University of Paris 7.

His main research interests are in the fields of: mid-ir and THz quantum cascade lasers and their applications; optical, vibrational and transport properties of semiconductor structures at the nanoscale; spectroscopic techniques for real-time monitoring of optoelectronic devices; optoelectronic sensors for mechatronics. His research activity is documented by 225 ISI publications, and 7 filed patents. His publications gathered over 3100 Google scholar citations with an h-index of 31 (ISI h-index: 27). He has given 50 invited presentations at international conferences and workshops. Awarded or managed research programs comprise contracts funded by European (EC, ESA), Italian (MIUR, MISE, MAP, CNR, INFN), regional agencies and industrial projects for an overall budget > 50 Meuro.

A selection of professional activities includes: President of the Apulian Technological District on Mechatronics (MEDIS S.c.ar.l.), 2011-2014 (previously member of the administrative board since 2007); Coordinator of the PhD School in Physics, since 2010; Director of the Bari's unit of CNR-IFN (previously LIT3 Regional Lab of INFN) since 2005; member of the Scientific Board of Tecnopolis CSATA (2004-2008); member of the Scientific Board of Centro Laser s.c.r.l. (2002-2005); external evaluator for: European Commission (FP7 - FET OPEN 2009; H2020 – INFRAIA-INFRADEV-CLUSTER 2014-2015); Agence Nationale de la Recherche, France, 2008; Science Foundation of Ireland, in 2006; provincia autonoma di Bolzano; evaluator of scientific and technological programs for the Italian "Ministero dello Sviluppo Economico (MISE)" and for the Scientific and Technological Parc of Tecnopolis CSATA; coordinator of the University Diploma Course in "Material Science" of the University of Bari (1999-2003).

He has been chair of the 100th National Congress of the Italian Physical Society (Applied Physics Section) in 2014; co-chair of the 11th International Conference on Intersubband Transitions in Quantum Wells (ITQW-2011), co-chair and president of the local organization committee of the "2nd International Workshop on Quantum Cascade Lasers", Rosa Marina di Ostuni (Br), in 2006; member of the Program Committee of the 9th and 10th International Conference on Intersubband Transitions in Quantum Wells, Cumbria, U. K., in 2007, and Montreal, in 2009; director of the International School of INFN "Progress in laser sources and photonic devices", Capri, in 2002; co-chair of the symposia "Materials and devices for photonics" and "Progress and achievements in laser sources" of INFNMeeting, in 2002 and 2004.

Gaetano Scamarcio has been the recipient of the Award of the Italian Physical Society (1989), the Firestone Prize for young laureates (1985), the NATO-CNR Advanced Fellowship (1995), the Ambassadorial Fellowship of the International Rotary Foundation (1994).

Married since 1991 she is father of Alessandro, born in 1993, and Vincenzo born in 1997.