

Curriculum Vitae

Guido Giuliani was born in Milan, Italy in 1969.
He has one son and two daughters. He lives with Federica, between Pavia and Roma.

Education

- 1992: Guest undergraduate student, Department of Electrical and Electronic Engineering, University of Strathclyde, Glasgow, U.K. (ERASMUS fellowship).
- 1993: Graduation with honors in Electronic Engineering from Università di Pavia, Pavia, Italy. Thesis title: "Noise in optical amplifiers", Tutor: Prof. S. Donati.
- 1997: PhD degree in Electronics and Computer Science from Università di Pavia, Pavia, Italy. Dissertation title: "Optical amplifiers: noise and novel structures", Supervisor: Prof. S. Donati.

Academic Career

- 1997 - 1999: Contract researcher with Dipartimento di Elettronica, Università di Pavia, Pavia, Italy, and with C.S.E.L.T., Centro Studi E Laboratori Telecomunicazioni, Torino, Italy.
- 1999 - 2000: Post-Doc researcher, Dipartimento di Elettronica, Università di Pavia, Pavia, Italy.
- 2000 - 2010: Assistant Professor, Dipartimento di Elettronica, Università di Pavia, Pavia, Italy.
- Dec. 2010 - present: Associate Professor, Dipartimento di Elettronica, Università di Pavia, Pavia, Italy.

Research Activity ([follow link](#))

Guido Giuliani has carried out theoretical and experimental research in the field of optoelectronics and photonics.
In the recent years he has been Principal Investigator for several [research projects](#), totalling more than 500k€ fundings in the last four years

Main research topics:

- Semiconductor integrated ring lasers for applications as ultrafast all-optical memories and gyroscopes
- RF/mm-wave generation with optoelectronic techniques
- Effects of backreflections into semiconductor laser cavity and their applications to remote sensing
- Semiconductor laser interferometry and sensing
- Optical amplifier noise and noise in optical communications

- Modelling of semiconductor optical amplifiers
- Measurement techniques for the linewidth enhancement factor of semiconductor lasers (collaboration with [COST 288](#) - Round-Robin measurements)

Teaching

Since 1995 he has been teaching blackboard and laboratory/experimental tutorials at the Engineering faculties of Università di Pavia, Pavia, Italy and Università di Bergamo, Bergamo, Italy.

Tutorial courses taught:

- Electronic instrumentation and measurements
- Electronics I (basic course)
- Optoelectronics I
- Optoelectronics II

Since 2004 has been teaching a [course in Experimental Optoelectronics](#) for Electronic Engineering students at Università di Pavia, Pavia, Italy

He has also been invited to give lectures at:

- Collegio Ghislieri, Pavia, Italy (three lectures on "Optoelectronics and fiber-optic telecommunications", 1998)
- [IUSS](#), Istituto Universitario di Studi Superiori, , Italy (lectures on Semiconductor Lasers and Optical Amplifiers, within the [Master Course in Material Sciences](#) 2001-2008)

Miscellaneous

Guido Giuliani is member of IEEE and LEOS.