

## **FAUSTINO MARTELLI's CURRICULUM VITAE**

Academic degrees: "Laurea in Fisica" (cum laude) earned at the University of Rome (Italy) "La Sapienza" on January 22, 1981

Doktor der Naturwissenschaft (Ph.D.) earned at the Technical University of Munich (Germany) on November 27, 1985

Granted with the Italian National Scientific Qualification as Full Professor for Experimental Matter Physics.

### **Professional activity:**

November 1979 -January 1981: "Laurea" thesis

January 1981- March 1982: work at the University of Rome "La Sapienza":

April 1982 - September 1985: Scientific assistant at the Technical University of Munich (Germany); Ph.D. thesis;

October 1985 - December 2000 : with Fondazione Ugo Bordoni, Rome, Italy.

June-September 1988: visiting scientist at EPFL (Switzerland).

July 1993: visiting scientist at the Technical University of Trondheim (Norway)

January 2001: co-founder of Opto Speed Italia s.r.l., Rome (Italy)

1 January 2001 – 15 June 2002: with Opto Speed Italia s.r.l., Rome, Italy

September 2002 – September 2009: INFM-TASC laboratory, Trieste (Italy) (now IOM-CNR);

October 2008-September 2009: On leave at IMM-CNR, Rome, Italy

Since October 2009: with IMM-CNR, Rome, Italy

### **Scientific activity.**

My whole scientific activity has concerned semiconductor materials and devices. It can be divided into two main fields: I) the growth and study of structural and electronic properties (with special focus on the optical properties) of semiconducting materials and nanostructures and II) the characterisation and development of semiconductor optical amplifiers towards their use in telecommunication systems.

Among the investigated topics the most relevant have been: 2D electronic gases, strained layers, quantum dots, dilute nitrides, wavelength conversion. Presently, and since 2005, my main research topics are the growth and the properties of semiconductor nanowires.

I am or have been unit responsible in the following European Projects: ATLAS (FP5); NanoEmbrace (FP7) and INDEED (H2020, to start February 2017).

<https://scholar.google.it/citations?user=P6sqboYAAAAJ&hl=it>

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