



## **Curriculum Vitae Carla Vacchi**

Carla Vacchi was born in Sant'Angelo Lodigiano, Italy, in 1963. She received the Laurea degree in Electronic Engineering, *summa cum Laude*, from the University of Pavia, Italy, in 1987, and the Ph.D. degree in Electronic and Computer Engineering with a research on CMOS A/D and D/A Converters, in 1992.

Since 1993 she is assistant professor at the Department of Electronics (now Department of Electrical, Computer and Biomedical Engineering) of the University of Pavia.

Her interests are in the field of analog and digital integrated circuit design (full custom and semi custom) and on electronic instrumentation based on microcontrollers and FPGAs for scientific and industrial applications.

The research activity of Carla Vacchi is focused on the following research lines:

- custom electronic instrumentation for opto-electronic devices and lasers
- opto-electronic instrumentation for biomedical applications
- design of embedded digital systems for industrial applications
- microelectronic digital circuits for low power signal processing

Carla Vacchi has been responsible for many research contracts with industries (mainly SMEs) for design of custom electronic systems. She participated at FIRB and INFN research projects as technical leader for designing advanced circuits for digital signal processing and digital systems for instrumentation control and testing.

She held the following courses at the Faculty of Engineering: Electronics II, Electronics for Digital Systems, Laboratory of Electronics for Digital Systems for the laurea degree in Electronic and Computer Engineering, VLSI architectures for digital signal processing for the master degree in Electronics Engineering and Digital Electronics Systems for the TFA course on Electronics.

Carla Vacchi has been tutor for more than 150 degree in the fields of the Electronic or Computer Engineering and tutor for PhD thesis in in Electronics, Computer Science and Electrical Engineering and Microelectronics.

She is actually responsible for high school students summer internships of the Faculty of Engineering and of the project of scientific divulgation "Ondivaghiamo".