

Updated  
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## Personal information

Surname / First name

Address

Telephone

Personal Email

Date of birth

Github profile

**Scaramuzza Paolo**

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scaramu1@dei.unipd.it

16 December, 1992

<https://github.com/electricant>



## Education

2006-2011

2011-2014

2014-2016

June 2015

October 2016 - present

**Liceo Scientifico "Duca degli Abruzzi" in Gorizia**

**Bachelor's degree in Information Engineering** (110/110)

University of Padova, thesis title: *A Study on the Efficiency of Integrated LC Oscillators for Ultra Wideband Impulse Radio Transmission*

**Master's degree in Electronics Engineering** (110/110 cum laude)

University of Padova, thesis title: *Project of a Class J Power Amplifier in Integrated Bipolar Technology*

Roberto Rocca scholarship winner

**Ph.D.** in Information Engineering, University of Padova

Topic: *integrated circuits for radio-frequency applications*

## Publications

ESSCIRC 2017

P. Scaramuzza, C. Rubino, M. Tiebout, M. Caruso, M. Ortner, A. Neviani, and A. Bevilacqua

*Class-AB and Class-J 22dBm SiGe HBT PAs for X-Band Radar Systems*

TCAS-I 2018

P. Scaramuzza, C. Rubino, M. Caruso, M. Tiebout, A. Bevilacqua, and A. Neviani

*Class-J SiGe X-Band Power Amplifier Using a Ladder Filter-Based AM-PM Distortion Reduction Technique*

## Working Experience

October 2017 - May 2018

**Internship at Infineon Technologies Villach, Austria**

The internship was focused on the design and measurement of integrated 28GHz power amplifiers for 5G cellular networks.

## Other Activities

2014-2018

Member of the nonprofit organization *Faber Libertatis* in Padova. The organization recycles and repairs obsolete computers using free and open source software. The computers are then given away for charity.

October - December 2015

Teacher of beginner computer classes for elderly people at the Public Library in Saonara (PD). The course was organized thanks to APS Faber Libertatis.

Sept. 2015 - Sept. 2017

MORPHEUS project, University of Padova. The aim of the project was the design of a rover for the European Rover Challenge, an international robotics competition in which rovers constructing teams compete in the tasks analogous to those performed by rovers on the surface of Mars and the Moon.

March 2017 - June 2017

Academic tutoring at the University of Padova in Analog Integrated Circuits Design (A. Bevilacqua)

October 2018 - February 2019

Academic tutoring at the University of Padova in Integrated Circuits for Signal Processing (A. Gerosa)

## Personal skills

Mother tongue

## Italian

*Self-assessment  
European level<sup>(\*)</sup>*

**English**

**German**

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
C1 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user	C1 Proficient user
B1 Independent user	B1 Independent user	A2 Basic user	A2 Basic user	A2 Basic user

<sup>(\*)</sup> Common European Framework of Reference (CEF) level

March 2011

## Vacation studies abroad

July 2008

Euroinstitute(Insbruck, Austria)

July 2009

ActiLingua Academy (Vienna, Austria)

August 2010

Institut für Interkulturelle Kommunikation (Jena, Germany)

## Computer skills

Competent with several programming languages such as: C/C++, D, Python, Java, Javascript, HTML, CSS, PHP, MATLAB and functional programming languages.

Database knowledge (SQL), competent in networking and sysadmin tasks with Linux and BSD operating systems.

Electronic circuits simulations with SPICE and Cadence Virtuoso.

## Electronics skills

Interested in electronics since childhood, with practical experience in designing and fabricating circuits and PCBs.

Knowledge on VHDL hardware description language.