

PERSONAL INFORMATION

Luca Aluigi



Profile A proactive and enthusiastic individual with expertise in radio frequency (RF) integrated circuits and systems design. Has creativity and vision to initiate new ideas and implement innovative approaches. Versatile and adaptable, has calm and methodical approach to problem solving.

Sex Male

Date of birth 07/08/1978

Nationality Italian

WORK EXPERIENCE

Feb. 2018 – present

Research Fellow

University of Modena and Reggio Emilia, DISMI, Reggio Emilia, Italy

- Microwave/millimeter-wave IC design in SiGe BiCMOS technology

Business or sector Integrated circuits and systems design

Nov. 2016 – Feb. 2018

RF HW Designer

ASK Industries Spa, R&D Department, Reggio Emilia, Italy

- Microwave antenna and RF front-end systems design

Business or sector Automotive RF electronic systems design

Sep. 2014 – Sep. 2016

Marie-Curie Research Fellow

EU commission funded FLARES project (FP7-PEOPLE-2013-IEF, Grant 625907)

Tyndall National Institute, Theory Modelling & Design Centre, Cork, Ireland

- Microwave/millimeter-wave IC design in SiGe BiCMOS technology

Business or sector Integrated circuits and systems design

Sep. 2013 - Aug. 2014

Program Management Trainee

Cadence Design Systems, Feldkirchen, Munich, Germany

- Run and leverage relationships and collaborations between academia and industry

Business or sector Semiconductor CAD

Feb. 2013 - July 2013

Design Services Engineer

RFMD (UK) Ltd, Newton Aycliffe, Co. Durham, United Kingdom

- Development and maintenance of GaAs MMIC Design-Kits

Business or sector Semiconductor manufacture

Jan. 2012 - Jan. 2013

Design Engineer

University of Perugia, Department of Information and Electronic Engineering, Perugia, Italy

- Post-doc activity of IC design in SiGe BiCMOS technology within the EC project ARTEMOS

Business or sector MMIC design

EDUCATION AND TRAINING

Jun. 2011 - Dec. 2011

Fulbright Scholar

Georgia Tech Institute, GEDEC (Georgia Electronic Design Centre), Atlanta, GA, USA

- Activity: Heterogeneous integration of MMIC and antennas on LCP substrate through a contactless approach, for imaging applications
- Supervisor: Prof. Manos M. Tentzeris

Nov. 2008 - Oct. 2011

PhD Degree in Information Engineering (viva date: 2 Feb. 2012)

University of Perugia, Department of Information and Electronic Engineering, Perugia, Italy

- Thesis title: "Development of mm-wave SiGe BiCMOS SoC space-based radiometers"
- Advisors: Prof. Federico Alimenti, Prof. Luca Roselli

Nov. 1997 - Jul. 2008

Master's Degree in Electronics Engineering (viva date: 18 Jul. 2008)

University of Perugia, Department of Information and Electronic Engineering, Perugia, Italy

- Thesis title: "24 GHz radar for traffic control. Design of the I/Q mixer in 0.25 um SiGe BiCMOS"
- Advisors: Prof. Federico Alimenti, Prof. Luca Roselli

Sep. 1993 - Jul. 1997

High School Diploma

Liceo Classico "Plinio il Giovane", Citta' di Castello, Italy

PERSONAL SKILLS

Mother tongue
Other language(s)

Italian

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English*	C1	C1	C1	C1	C1
German	A1	A1	A1	A1	A1

*FCE Certificate obtained from British Academy in March 2007.

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

Very good communication and team working skills developed through experiences in technical and non-technical areas, including working as volunteer in the cultural and social-services fields.

Organisational / managerial skills

Excellent organisational and managerial skills, developed through the experiences listed above and also in side activities such as the management of music festivals in various locations in central Italy.

Job-related skills

Use of measurements lab. tools (VNAs, spectrum analysers, signal generators, solder stations, etc.);

Computer skills

- Excellent computer skills on both Win and Mac and Linux systems:
- Electronic and electromagnetic CAD: Cadence Virtuoso, PVS, QRC, Keysight ADS, EMpro, Ansys HFSS, AWR Microwave Office, EmSight, CST Microwave Studio
 - Matlab, Mathematica, Origin

Other skills / Interests

I enjoy percussions/drums playing, listening to music, playing tennis, reading, biking and travelling.

ADDITIONAL INFORMATION

Driving licence
Professional memberships
Publications

European/Italian A, B
IEEE Member n. 90539596
<http://scholar.google.it/citations?user=0lJOsjYAAAAJ&hl=en>