



## Enrico Barone

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### WORK EXPERIENCE

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#### RF Engineer

*MBDA IT* [ 15/07/2019 – Current ]

City: Bacoli

Country: Italy

Definition of designs, tests and documentation for RF Subsystems

#### RF Engineer

*Greenwaves Srl* [ 29/04/2019 – 10/07/2019 ]

City: Gorgonzola

Country: Italy

Fine tuning of RF High Power Amplifiers (Doherty)

#### Junior Consultant in RF

*Altran* [ 23/07/2018 – 05/04/2019 ]

City: Bologna

Country: Italy

Consultant in Datalogic S.p.A. in Mobile Computing divion.

#### Electronics engineer

*Università degli Studi di Napoli Federico II* [ 25/10/2017 – 23/12/2017 ]

City: Napoli

Country: Italy

Study and implementation of an optimized Non Uniform FFT (NUFFT) from a 2-D non-uniform domain to a 2-D non-uniform domain.

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## EDUCATION AND TRAINING

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### **Master's degree in Electronic Engineering (cum laude)**

*Università degli Studi di Napoli Federico II [ 03/2016 – 03/2018 ]*

Address: Napoli (Italy)

Field(s) of study: Engineering and engineering trades

Level in EQF: EQF level 7

Thesis title: *Optimized Non-Uniform FFT in Magnetic Resonance application*

Supervisors: prof. Amedeo Capozzoli, ing. Claudio Curcio, prof. Angelo Liseno.

### **Bachelor's degree in Electronic Engineering (110/110)**

*Università degli Studi di Napoli Federico II [ 09/2012 – 03/2016 ]*

Address: Napoli (Italy)

Field(s) of study: Engineering and engineering trades

Level in EQF: EQF level 6

Thesis title: *Probe Compensation in the Optimized Cylindrical Near-Field Far-Field Antenna Characterization*

Supervisors: prof. Amedeo Capozzoli, ing. Claudio Curcio, prof. Angelo Liseno.

### **High School diploma in Scientific studies (73/100)**

*Liceo Scientifico e Artistico Statale E.Majorana [ 09/2007 – 07/2012 ]*

Address: Pozzuoli (Italy)

Level in EQF: EQF level 5

## LANGUAGE SKILLS

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Mother tongue(s):

**Italian**

Other language(s):

**English**

LISTENING B2 READING C1 WRITING B2

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

## DIGITAL SKILLS

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ANSYS HFSS / MATLAB&Simulink / Lt-spice / Microcap / Microsoft Office: proficient user of Word, Excel and Powerpoint

## NETWORKS AND MEMBERSHIPS

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### **Memberships**

- Member of the department council of Dipartimento di Ingegneria Elettrica e Tecnologie dell'Informazione (DIETI) at the Università degli studi di Napoli Federico II as Student representative (2016-2018);
- Member of the review council for the course of Ingegneria Elettronica at the Università degli studi di Napoli Federico II (2016-2018);
- Antenna Measurement Techniques Association (AMTA) member (2016-2017).

## CONFERENCES AND SEMINARS

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### Conferences

Participation, in quality of organizing staff member, in the AMTA European Regional Event "Advances in Antenna Measurements, with a Feature spot on SKA - Metrological Issues" (Naples, May 2016).

### Seminars

*Sensing and Sensibility - a quest to visual intelligence* @Università degli studi di Napoli Federico II (Naples, 15 June 2017).

## ORGANISATIONAL SKILLS

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### Organisational skills

- Management and coordination of small-to-medium groups of people for class researches and projects;
- Capable of helping people work efficiently even when under stressful conditions;
- Coordination of large groups of people in order to organize assemblies or other public events.

## COMMUNICATION AND INTERPERSONAL SKILLS

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### Communication and interpersonal skills

- Good communication skills acquired during my experience as Student representative in the departmental council of DIETI in the Università degli studi di Napoli Federico II.

## JOB-RELATED SKILLS

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### Job-related skills

- Good knowledge of RF theory and devices (transmission lines, LNA, mixers, amplifiers, oscillators...) acquired through working experience;
- Knowledge and experience in antennas characterization;
- Experienced in TRP and TIS measurements for mobile devices;
- Hands-on experience with microwave and optical components and circuits;
- Knowledge of full-custom (ASIC) and semi-custom (FPGA, PLD, SoC) integrated circuits development process and hardware description languages (HDL) such as System Verilog and VHDL;
- Experience with C/C++ programming languages and object oriented programming techniques;
- Well-versed with MATLAB&Simulink programming language and development environment;
- Experienced in the implementation of transducers and smart sensors in embedded systems;
- Experience in digital analysis and processing of multimedia data;
- Knowledge and implementation capacity of relational databases;
- Knowledge of various optimization techniques for numerical problems;
- Good command over NI LabVIEW (data acquisition and analysis, remote control of measurement devices) acquired during over 50 hours of hands-on laboratory classes;
- Detailed SPICE-like simulation of analog and digital components.

## COURSES

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### Courses

RF Bootcamp: measurements, planar calibrations and mm-wave setups @Università degli studi di Napoli Federico II (Naples, February 2017).

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## HOBBIES

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### Hobbies

Film culture, riddles, martial arts, extreme sports.