



SEMINAR

November, 5 – Montelucio di Roio – Room B0.5 (9:30-11:30)

“The Electronic Designer in ELT Group: a point of view”

A deep dive into ELT Group from the Electronic Engineer perspective

ELT Group, certified as “Great Place to Work” and classified in the “Best Workplaces” and “Most Attractive Employers” Company in Italy and Europe, is a 70 years company world leader in Electronic Defense systems, including Cyber, Space and Biodefense. Specialized in developing innovative technologies in the use of the EM spectrum and cyberspace to bring integrated solutions to protect people, assets and information all around the world.

- 3000+ Systems delivered
- 11 offices in 11 different countries in 3 continents
- 1000+ Employees working hard to build a safer world

In this interactive talk you'll have the chance to discover:

- *How is it working with ELT as an Electronic Engineer?*
- *What are the main tasks, activities and stakeholders?*
- *What kind of Electronic Products are developed in ELT?*
- *How are they employed to protect us?*

About the speakers

Andrea Bentini (*Head of RF Units and Microwaves*) joined ELT Group in 2013 after a Ph.D. focused on high-performance multifunctional modules for high sensitivity receivers. In ELT Group he deals with the design and verification of several RF modules, such as Beam-Forming Networks and T/R modules, complex routing and conditioning RF units.

Lorenzo Pace (*Microwave Engineer & MW Library Focal Point*) joined ELT Group in 2021 after a Ph.D. focused on novel GaN MMIC techniques for the design of robust LNAs for satellite applications. In ELT Group he deals with the specification, design and verification of several RF modules, while maintaining the department Design Kit of RF components.

Piergiuseppe Bruno (*Head of Signal Processing*), Master's degree in Electronic Engineering from “Sapienza University”, Head of Signal Processing, in ELT Group since 2015. During his activity in ELT Group he developed experience in design implementation and optimization of digital circuits for high-performance modules in ESM and ECM systems. He also dealt with FPGA firmware development using VHDL language for the implementation of complex algorithms.

Patrizio Calabrese (*Microwave Engineer*), Master's Degree in Microwaves, Microwave Engineer in ELT Group since 2022. In ELT Group he has been involved in the specification, design and verification of several RF modules and units. In particular, he dealt with the design of modules used for calibration functions of ESM systems via wideband synthesizers. His main area of work includes the design of MW assemblies, modules, RF chain budget analysis and the development of several tools of analysis to ease the design of complex RF modules and units.

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