

Microwave Vision Group (Italy, France, Israel)

The MVG R&D team consist of 20 highly motivated people located in Villejust, France and Pomezia, Italy. We are a leading provider of advanced antenna measurement systems, complemented by a comprehensive suite of post-processing tools and high-precision reference and probe antennas. A further activity is computational electro-magnetic support in the design and analysis of antenna measurement systems. Due to the continued development and investment in human and material resources, we are again looking for outstanding candidates that are willing to take part of the exciting development of the group.

The R&D team is seeking a highly motivated engineer for the **Scientific Computing COI (Center of Innovation)** to support and further develop its growing suite of post-processing tools for antenna measurements. This role is critical to advancing MVG's capabilities in high-precision electromagnetic analysis and signal processing.

Job Description

After an initial training and integration period, the successful candidate will join the COI team to contribute to the development, validation, and optimization of advanced post-processing algorithms used in antenna measurement systems. The engineer will work closely with experts in electromagnetics, software development, and measurement systems, and will be expected to take increasing responsibility in future R&D projects.

Key Responsibilities

- Develop and maintain scientific computing tools for antenna measurement post-processing.
- Implement and optimize algorithms for NF/FF transformations for different scanning geometries, including advanced processing such as probe compensation.
- Take part in innovative R&D initiatives (such as innovative measurement techniques aimed at improving the antenna measurement systems).
- Analysis of measurement system performance and derivation of uncertainty budgets.
- Support to critical programs / projects.
- Write dissemination materials such as white papers and conference/journal papers reporting innovative findings.

Requirements

- Valid working permit for the European Union.
- Master's degree or PhD in telecommunication or electrical engineer, physics or a related field.
- Strong background in signal processing and electromagnetic theory.
- Proficiency in scientific programming, particularly in MATLAB (Python and C++ are a plus).
- Ability to work independently and collaboratively in a distributed team environment.
- Excellent communication skills in English (French and Italian are a plus).
- Some knowledge of basic project management.

Work Conditions

- Preferred work location: MVG office in Rome (Pomezia), Italy.
- Paris or Israel may be considered (with initial travel to Rome required for onboarding and integration.)
- Occasional travel to other MVG sites and participation in international meetings and conferences.

For questions or more information, please contact:

- Lars Foged – lars.foged@mvg-world.com (R&D VP)
- Francesco Saccardi – francesco.saccardi@mvg-world.com (Scientific computing manager)
- Karine Barriant - karine.barriant@mvg-world.com (HR)