# R&D Scientific Computing Engineer | UAN – 64DF53

**Department:** R&D / Scientific Computing Center of Innovation (COI)

**Location:** Office **/** Pomezia Italy / Villejust France

**Type:** Full-time

## About the Role

MVG is seeking a highly motivated R&D Scientific Computing Engineer to join the Scientific Computing Center of Innovation and develop advanced post-processing tools for antenna measurement systems. This role contributes directly to high-precision electromagnetic analysis, signal processing, and innovative measurement techniques within a distributed R&D team in Italy and France. It is ideal for an engineer or researcher with a strong foundation in electromagnetics, scientific programming, and antenna measurement technologies.

## About MVG

MVG – Microwave Vision Group – is the global leader in electromagnetic field measurement solutions. With 400+ employees, offices across 4 continents, and over 25 years of consecutive growth, we help the world's most innovative companies test, validate, and push the boundaries of wireless technology. Our mission: Testing Connectivity for a Wireless World.

Join us to shape the future.

## Responsibilities

- Develop and maintain scientific computing tools for antenna measurement post-processing.
- Implement and optimize algorithms for near-field/far-field transformations across different scanning geometries, including advanced probe compensation.
- Drive innovative R&D initiatives focused on improving antenna measurement systems and measurement techniques.
- Analyze measurement system performance and define uncertainty budgets for advanced electromagnetic applications.
- Collaborate with experts in electromagnetics, software development, and measurement systems across MVG sites.
- Support critical programs and projects with scientific computing expertise.
- Develop dissemination materials, including white papers and conference or journal papers, to share innovative findings.

## Requirements

- Valid working permit for the European Union.
- Master's degree or PhD in telecommunications engineering, electrical engineering, physics, or a related field.
- Strong background in signal processing and electromagnetic theory.
- Proficiency in scientific programming, particularly MATLAB.
- Ability to work independently and collaboratively within a distributed international team environment.
- Excellent communication skills in English.
- Basic knowledge of project management.

## Nice to Have

- PhD-level research experience in antenna measurements, computational electromagnetics, or advanced signal processing.
- Programming experience in Python and/or C++.
- French and/or Italian language skills.
- Experience writing technical publications, white papers, or conference/journal papers.

## How to Apply

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), or Karine Barriant – karine.barriant@mvg-world.com (HR).

*MVG - Testing Connectivity for a Wireless World*

*Special note: This role may require eligibility for access to classified or sensitive information under applicable national security laws. Possession of an active clearance is not required, and the company may conduct necessary background checks or request supporting documentation in compliance with applicable laws and regulations.*