

RF & Electromagnetic Engineer for Radar Applications

Ref: MS-JDS-RFE-201909

Title: RF & Electromagnetic Engineer for Radar Applications

Reports to: Technical project manager

Location: Piazzale Biccamano, Milan, Italy

Job purpose: To design & develop high resolution target RCS simulator

Job duties:

- To develop the Physical Optical / Shooting and Bouncing Ray /Finite Difference Time Domain simulation algorithms
- To parallelize the algorithm for faster execution on multiple GPU/CPU
- To integrate the algorithms in C/C++/ Matlab environment
- To support radar simulator development
- The work is executed in Milan office together with other colleagues working on the same project development and is coordinated by the technical project manager

Required skills and qualifications:

- Master Degree in Physics / Engineering or similar
- At least 3 years of active electromagnetic simulation coding in Matlab or C/C++
- Experience with computational electromagnetics solution methods, including MoM, FEM, PO/GO, UTD/GTD, or FDTD
- Good knowledge of the English language for the working environment
- Good communication and team-working skills
- Enthusiasm, dynamicity and self-motivation

Desired Skills/Qualifications

- Knowledge of CUDA language
- Knowledge of Radar Signal Processing



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Candidate must be eligible to work in the EU.

Company description:

MetaSensing BV is an Italian/Dutch SME which provides radar solutions. MetaSensing designs, manufactures and operates complete radar sensors (airborne and ground-based) at different frequencies for a large variety of applications. Those sensors are equipped with proprietary control, configuration, and processing and visualization software. MetaSensing' s sensors are compact, light-weight and high resolution providing the most cost-effective solutions for detection, mapping, surveillance and imaging to governments, universities and commercial companies.

MetaSensing has offices in the Netherlands, Italy and Singapore.

Employment condition: Full-time, 40 hours per week.

For additional information or for the application, please send an email with your CV and cover letter to joinus@metasensing.com with subject Ref: MS-JDS-RFE-201909.

Milan, 08/09/2019