

# Modeling & Simulation Engineer

Ref: MS-JDS-M&S-201801

**Title:** Modeling & Simulation Engineer

**Reports to:** Director and Team Leader

**Location:** Milan, Italy.

**Job purpose:** To support the design and implementation of an airborne Synthetic Aperture Radar simulator

**Job duties:**

- Implementation of Simulation Software including in Simulink and C/C++:
  - Modeling of Radar Scattering Scene;
  - Model of Antenna, Trajectory and Navigation Unit;
  - Model of radar receiver chain;
  - Graphical User Interface for Scenario Specification & Simulation Management;
- Algorithm design for airborne SAR Processing & Geolocation
- Prepare technical material (documents & presentations) for review technical meetings

**Required skills and qualifications:**

- Strong software coding skills (Matlab & Simulink are mandatory, C/C++ are of good advantage)
- Knowledge of parallel processing and GPU architecture/CUDA language is considered a plus
- Good knowledge of the English language for the working environment
- Good communication and team-working skills
- Willingness to travel
- Enthusiasm, dynamicity and self-motivation

**Desired skills and qualifications:**

- Minimum three years of relevant experience in the field
- Good knowledge of Radar principles & Digital Signal Processing

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- Master Degree in Telecommunication Engineering, Electrical engineering, Computer Science, Physics or equivalent

### Company description:

MetaSensing BV is an Italian-Dutch SME which provides radar solutions. MetaSensing designs, manufactures and operates advanced 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.

**Employment duration:** The starting contract has a duration of two (2) years with the possibility of extension. The starting date will be agreed with the candidate, early starting date is preferred.

**Closing date:** The closing date for submitting the applications is 28 February 2018.

For additional information or for the application, please send an email with your CV and cover letter to [joinus@metasensing.com](mailto:joinus@metasensing.com) with subject Ref: MS-JDS-M&S-201801.

Noordwijk, 21/01/2018