



## Quantum Optics Postdoctoral Researcher

### ➤ DESCRIPTION

DAS PHOTONICS is an upcoming and pioneering Spanish High-Tech enterprise whose mission is to develop innovative solutions, based on proprietary, high-performance photonic technology for the defense and space sectors. In recent few years, quantum systems and communications have rapidly stormed into these fields with an exponential growth, providing both novel and unprecedented applications. Being aware of this, **DAS PHOTONICS is seeking strong candidates with a solid background in the field of quantum optics, whose main objective will be to set up a new research line within the company based on a permanent position.** The candidate will be required to conduct independent research while also contributing to team-oriented projects.

### ➤ MAIN RESPONSIBILITIES

- Leading the quantum optics line within the Research Area of the company.
- Enhance the state-of-the-art aspects required to position the company within its peers.
- Carry out basic research aligned with the strategic objectives of the company which rely on quantum optics-based solutions (devices, applications, etc.).
- Participate in the preparation of proposals aligned to the scope of the research line.

### ➤ QUALIFICATION REQUIREMENTS

- ✓ Hold a Ph.D. degree in quantum optics (or being about to obtain this degree in 2021).
- ✓ Have at least 4 years' experience in quantum optics, preferably (but not obligatory) in quantum communications (e.g., quantum random number generation, quantum key distribution or quantum entanglement among others).
- ✓ Wide experience in quantum simulation/computation is an asset.
- ✓ Previous work at prestigious research institutions would also be highly valuable.
- ✓ English language spoken/written fluency and good communication skills.

**DAS PHOTONICS offers a permanent position (indefinite contract from the beginning). Additionally, we are integrated in a highly technological environment where prestigious international projects are carried out and developed. Remuneration will be established according to experience.**



If interested, please, send us both your CV and a motivation letter to [rrhh@dasphotonics.com](mailto:rrhh@dasphotonics.com)