Job title: Researcher in nanophotonic and silicon photonics.

Job description:

We are looking for a highly qualified researcher to manage our key research area in **silicon photonics** and **nanophotonics technology**. The ideal candidate will have solid experience in plasmonic, silicon photonics, nanophotonic, CMOS technology and image processing. You will be responsible for research, securing public funding, and establishing/managing collaboration agreements with universities and research centers to support the project. Additionally, you will be involved in different departments globally and will work closely with the production team to create prototypes.

Responsibilities:

- **Research and manage the project in silicon photonics and nanophotonic technology with CMOS sensors based our IP:** Define and supervise all stages of the research, ensuring objectives are met within established deadlines.
- **Provide regular updates to management and stakeholders:** Prepare detailed reports and presentations on the progress, results, and challenges of the projects, facilitating strategic decision-making.
- **Develop and manage the strategic research plan:** Establish short and long-term objectives aligned with the company's vision and plan resources to achieve them.
- **Administer the budget and resources of the research department:** Ensure efficient and responsible utilization of allocated resources.
- **Establish and maintain strategic collaborations with universities and research centers:** Negotiate collaboration agreements and coordinate joint projects that add value to the project.
- **Seek and secure funding through public grants:** Identify funding opportunities and lead the preparation of successful proposals.
- **Coordinate research activities with departments in different parts of the world:** Facilitate communication and collaboration between international teams to align efforts and objectives.
- **Collaborate with design and manufacturing teams for prototype development:** Integrate research findings into the design process and ensure the technical feasibility of prototypes.

- **Ensure compliance with internal and external regulations and policies:** Guarantee that all research activities comply with applicable regulations and quality standards.
- **Stay updated on the latest trends and advances in the field:** Participate in conferences, seminars, and review scientific literature to incorporate new ideas into the project.
- **Contribute to the protection of intellectual property:** Identify patentable innovations and collaborate in the patent application process to protect the project's discoveries.
- **Represent the company at international conferences and events:** Present research results and establish professional connections that benefit the company.
- **Publish findings in high-impact scientific journals:** Disseminate research results to contribute to the company's prestige and recognition in the scientific community.

Requirements:

- Ph.D. in Physics, Electronic Engineering, Photonics, or related fields.
- Minimum of 2 years of experience in nanophotonic, silicon photonics, and image processing.
- Demonstrated track record in obtaining public funding and managing grants.
- Ability to establish collaborations with academic institutions and research centers.
- Excellent communication skills in Spanish and English; other languages are valued.
- Ability to travel as necessary.

Competencies and Skills:

- Autonomy and ability to collaborate with a multidisciplinary teams.
- Strategic thinking and analytical skills.
- Excellent organizational and project management skills.
- Knowledge of CMOS sensors.
- Familiarity with advanced image processing techniques.
- Interpersonal skills and ability to work in a multicultural environment.
- Proactivity and results orientation.

- Ability to handle multiple tasks and priorities simultaneously.

We Offer:

- **Modern work center located in the city of Alicante or Valencia:** State-of-the-art facilities in a prime location, providing an inspiring and accessible work environment.
- **Benefits package:** Includes private medical insurance and other benefits that promote well-being and work-life balance.
- **Joining a dynamic and growing work team:** Be part of a company of committed professionals passionate about innovation.
- **Participation in innovative project with international projection:** Opportunity to impact the development of emerging technologies globally.
- **Professional development and continuous training opportunities:** Access to training programs and resources to foster professional growth.
- **Competitive salary package according to experience and capabilities:** Attractive remuneration that recognizes and values your contribution to the company.
- **Inclusive and collaborative work environment:** Organizational culture that promotes diversity, respect, and collaboration among all team members.