4.3 Job Posting for Researcher at **OZZIE**.

OZZIE robotics

OZZIE Robotics: 7th km Thessalonikis-Neon Moudanion, Pilea, Thessaloniki

Eligible sending organisations

JSI, ULUS

Role title

Robotics Software Engineer - Navigation & Localisation

Environment

OZZIE Robotics is a spin-off company of CERTH, specialized in the development of mobile service robots. OZZIE develops mobile robot platforms, both for indoor and outdoor environments and for diverse application cases. By combining the research background of its founding members from CERTH with practical service robot solutions, OZZIE provides an excellent environment for young researchers to see how research outcomes lead into robot products in practice.

What you will work on

The secondee will:

- Be engaged in the **development of advanced software modules** for the OZZIE robots, particularly contributing to the development of software modules for the implementation of **environment navigation and localisation processes.**
- Take part in **debugging, performance analysis**, and improvement of robot **behaviour on real hardware**.
- Support the **evolution and integration** of the robots' software architecture across different platforms and system generations.
- Where needed, use **simulation** to test new functionality before it is deployed on the robots.
- Participate in **team meetings/stand-ups** and undertake **independent tasks with clear objectives**, with support from the OZZIE team.

What you will gain

- Advanced understanding of **navigation and localisation** for mobile robotics.
- **Hands-on experience** developing software for autonomous mobile robots operating in real-world industrial environments.
- Insight into the **safety and reliability requirements** of robots working in critical environments.
- Enhancement of **ROS-based and C++/Python programming** capabilities.
- Where possible, participate in relevant **training/events** within OZZIE's ecosystem.

Desired profile

The position entails the development of software modules in C++ and/or Python programming languages, for ROS-based robots. As such:

- **Diploma in Electrical/Computer Engineering, Computer Science** or a related field.
- Programming skills in **C++/Python**.
- Experience in **ROS/ROS2** programming, from coursework, research or personal projects.
- Understanding of **navigation and localisation fundamentals** (TF/coordinate frames, odometry, sensor fusion, path planning).
- Comfortable working with **Linux and Git**.
- **Excellent command of English** (C2 level).
- Strong **organisational, teamwork and communication** skills.

Duration & Flexibility

3 months between May and November 2027

Can be split into separate stays of at least 6 weeks each (for example 2 x 6-8 weeks) upon agreement.