4.2 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 - Swarming

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 **multi-robot swarming processes**. Initially, the secondee will work on a robot simulation environment, then move on to working with a real robot swarm.
- Contribute to the **coordination of multiple robots sharing the same workspace**, such as distributing tasks and moving safely around each other.
- Help **test and evaluate multi-robot behaviour**.
- Take part in **debugging, performance analysis**, and improvement of the **fleet's behaviour on real hardware**.
- 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 the ROS/ROS2 software stack and how it can be used towards robot swarming processes in practice.
- Hands-on experience with how multiple robots operate together in real-world 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 Computer Science, Electrical/Computer Engineering** or a related field.
- Programming skills in **C++/Python**.
- Experience in **ROS/ROS2** programming, from coursework, research or personal projects.
- Basic understanding of **multi-agent or distributed systems** is a plus.
- 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.