Versatile swarm robotics platform for distributed algorithms developer and interaction

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ABSTRACT

A clear and well-documented LaTeX document is presented as an article formatted for publication by ACM in a conference proceedings or journal publication. Based on the "acmart" document class, this article presents and explains many of the common variations, as well as many of the formatting elements an author may use in the preparation of the documentation of their work.

CCS CONCEPTS

• **Computer systems organization** → **Embedded systems**; *Redundancy*; Robotics; • **Networks** → Network reliability.

KEYWORDS

datasets, neural networks, gaze detection, text tagging

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1 INTRODUCTION

2 FUTURE RTLS WITH BLUETOOTH 5.1

Real-time location systems (RTLS) are used to track and identify the location of objects in real time using "Nodes" or "tags" attached to, or embedded in, the objects tracked, and "Readers" that receive and process the wireless signals from these tags to determine their locations.[1]

The Bluetooth SIG presented Bluetooth 5.1 in January 2019. With Angle of Arrival (AoA) and Angle of Departure (AoD) which are used for location and tracking of devices, we can simply use BLE 5.1 as both communication and localization methods.

REFERENCES

[1] HW costs Tags-low and Medium Medium High High. 2009. Real Time Location Systems. (2009).