Abstract

This paper describes research and investigation on programming language used in mobile robot controller development by using mobile communication technologies such as Bluetooth, Infrared, Wireless LAN and Zigbee. We found that most mobile robot controllers have been developed using C/C++. It is because C/C++ has powerful extensions that the unit type information can be added within the language with concepts such as overloading and templates. Concerning future work, the best solution and programming language will be chosen on this research development project. Java ME used for mobile phone application development and C/C++ used for development for Dr Robot (WiRobot X80) movement.

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**Index Terms**

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