

Building a temperature monitoring and device control application for home use with Zolertia sensors via the CoAP communication protocol.

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Abstract: In the context of increasing demands for living environment control, this topic aims to address the issue of effective temperature management in living spaces through monitoring and control applications using Zolertia sensors and the CoAP communication protocol. The research method is based on combining wireless network theory with experimental deployment of a specific application system. It is expected that the topic will provide an effective solution for automating temperature and device management in homes, contributing to improving quality of life while reducing energy consumption.

Keywords: Temperature management, Zolertia sensor, CoAP protocol, monitoring application, device control