Controlling a Wireless Sensor Network using a Android Smartphone

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Abstract

The use of smartphone devices over the past years seems to follow a growing trend. This great acceptance along with the endless possibilities that go hand to hand with having a mini computer at all times within reach, can explain this vast interest shown by solo developers and major companies in the mobile industry. As a result, many innovative applications roll out daily to the various online stores, making the lives of the smartphone users a lot better. This thesis describes the design and implementation of a mobile app, a Web Service and a TinyOS application, that bind together allowing the user to execute a variety of queries on a sensor network from any place in the world.

References

2. Nicolas Burri, Roland Flury, Silvan Nellen, Benjamin Sigg, Philipp Sommer, and Roger


Index Terms

Computer Science  Wireless

Keywords

Smartphone, Wireless Sensor Network, Sensor Network Control Smartphone, Android Phone Control of Sensor Network, iOS Phone Control of Sensor Network;