Abstract

The aim of this paper is the presentation of the design and development of an innovative temperature control system according to the mechatronics design philosophy, which be able to integrate into the naval technology. The novelty of this systems is the remotely control and monitoring of any process in a ship relevant to this physical quantity from any point on the ship or even from the shore with a very low cost.

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Index Terms

Computer Science Wireless
Keywords

ZigBee, WiFi, Wireless Sensors, Wireless control, Wireless monitoring, Mechatronics, Arduino, Naval technology, Temperature, PID Control, Android.