

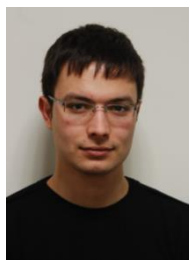
cooperative approach for reasoning and sensing has been presented. Fed by an 866 MHz antenna system composed of two meandered dipoles in cross-configuration and a common loop, the device features an energy management section, which powers up an ultra-low-power microcontroller, a thermometer, an ambient light sensor, and an LED diode. Once designed the system has been implemented and tested in some application contexts which take advantage from several features of the renovated device: the capability of asking for and receiving context data, of sensing a physical value, of reasoning, and of taking decisions, have been exploited at the same time.

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