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»An Experimental Overview on Electric Field Sensing«

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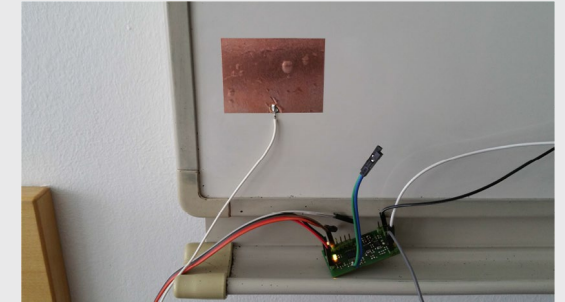
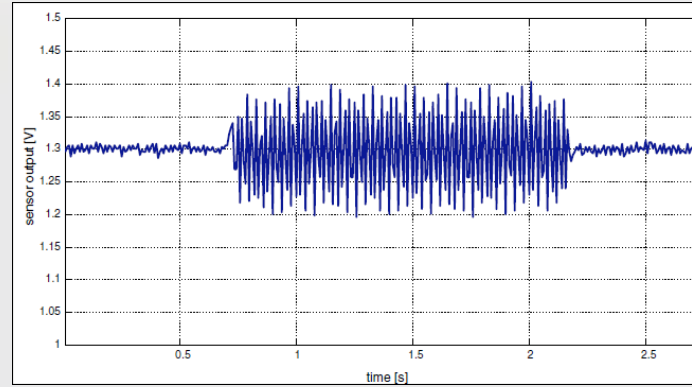
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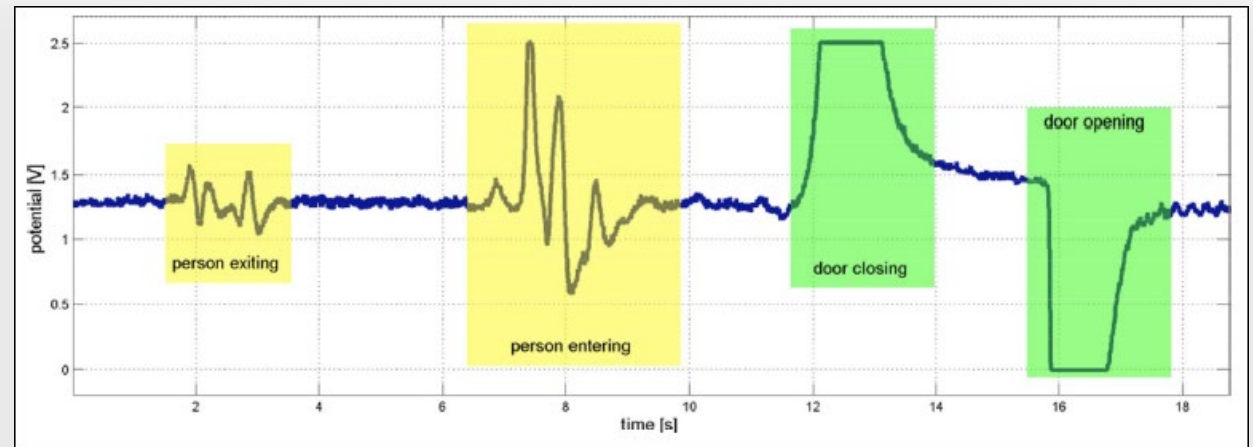


AIM OF THE WORK

- Evaluation of the potential of electric field sensing
- Identification of application possibilities
- Limitations of electric field sensing



Modified EF-sensor attached to a whiteboard



Four different electrical footprints of the door sensor

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RESULT

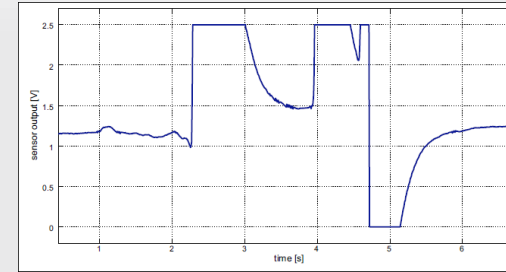
- State of the art of electric field sensing
- Development of various application scenarios
- Set up of physical experiments and in depth evaluation of the technology



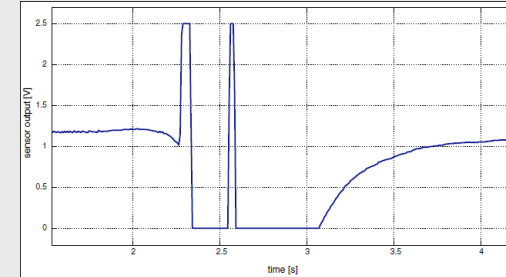
USP

In this work the potential of electric field sensing for different applications is investigated. It is particularly impressive that the performance of the method is not only evaluated theoretically, but also by means of experiments from five indoor and outdoor application areas, which impressively underline the wide range of possible applications of this future-oriented low-power technology.

Truck



Car



Bicycle

