



## **15ST082** Low Cost Smart Sensors for an Intelligent Home

Marius Branzila<sup>73</sup>, Constantin Sarmasanu<sup>73</sup>

In this paper we propose a system able to monitor environmental parameters, to record information on SD card or to send relevant data remotely. The authors by this application demonstrates how to develop new smart sensors to be future used in intelligent buildings.

## **15ST090** A magnetic field probe for hostile environments

M. Canepa<sup>133</sup>, A. Mariscotti<sup>133</sup>

The measurement of magnetic field for human exposure is considered addressing the specifications of a robust and reliable portable instrument, that outperforms with respect to existing products.

Keywords: Electronic circuits, Guideway Transportation Systems, Magnetic field, Portable instrumentation