

S8-1.3

Object Locating System by Phone Tracking

I.C. Roșca¹, C. N. Drugă¹, I. Șerban¹ and R.D. Necula²

¹ *Product Design, Mechatronics and Environment Department, Transilvania University, Brașov, Romania*

² *Department of Medical and Surgical Specialties, Transilvania University, Brașov, Romania*

The paper presents a very simple system for locating and tracking an object/person moving outside a predetermined area, ensuring the transmission of information about the target position through mobile networks. It is highly adaptive to various uses by programming for different areas of action depending on the nature of the target movement - the size of the movement area, the speed of movement, etc. With the help of the device, it is possible to make a location with satisfactory accuracy. Location identification uses common, widespread applications: sending SMS, using Google Maps and Google Earth.