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NOVEL VITAL SIGNS MONITORING SYSTEM IN AN ANALOG SPACE MISSION

Abstract

Analogous space missions in recent years have become relevant since they can simulate the conditions of a real mission.

In the present work a new system of monitoring of physiological signals is presented in the people who participate in these missions. The following sensors were taken into account: HRV, temperature and humidity temporary, pressure, GPS and radiation meter. It develops e-textile technology being a system until now not used in similar missions. Data can be transmitted and stored via Bluetooth and WIFI via Xbee technology, sent to a smartwach system. These data are to be observed in the mission control center that is in a remote location.

The system will be used on an arm for Analogous space missions in Utah, and Poland