CowBhave Localization Instructions

The depository contains description of software developed and used for the paper “Monitoring of cow location in barn by an open source low cost low energy Bluetooth tag system”.

The data is available at https://zenodo.org/.

1. Data structure
   1. Raw data files

The raw data files contain data collected from the receiving stations (Raspberry Pi). The file names are in format “RuuviData\_TagTT\_YYYY-MM-DD-HH.csv”, where TT is the tag number (1-25), YYYY, MM, DD and HH are the year, month, day and hour.

The files contain the following fields:

Receiving station number (1-10),

Receiving moment of the receiving station in format “2019-11-28T17:00:05.751”,

Number of tag (1-25),

RSSI measured by the receiving station,

Number of message sent by the RuuviTag,

Five triplets of the accelerations (X, Y, Z) measured by the RuuviTag,

Receiving moment of computer collecting data consisting of year, month, day, hour, minute, second, millisecond.

* 1. Auxiliary files

1. Raw data preprocessing