

# Towards a methodology to extract forensics information from the smartphone sensors: Finding evidence

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## **Abstract:**

Currently smartphones have been acquired by a big segment of the population, their capabilities have been increased. Nowadays, it can be found different functionalities and sensors included in these artifacts. Therefore, a lot of studies can be extracted from users which have one of these devices. In this paper we present a new methodology that uses the information obtained from the sensors of smartphones in order to use the generated information as digital evidence. The methodology developed allows the gathering of information by using in conjunction with the accelerometer, gyroscope, GPS, step counter, and the date and time stamp. These data can be used for the detection of motor activity and unusual movements. The study shows that the proposed methodology is a viable option to be used as digital evidence in criminal cases