IDENTIFICATION, LOCATION, AND AUTHENTICATION SYSTEMS AND METHODS

ABSTRACT

Identification, location, and authentication systems and methods are disclosed. A system includes a master sensor node located in a physical venue and connected to a broadband network channel. A plurality of sensors is provided in the physical venue, which are in communication with the master sensor node over a wireless network channel. The plurality of sensors and the master sensor node are communicatively coupled to a mobile device over a radio frequency network channel. The master sensor node identifies the mobile device and its location, wherein the mobile device is within a predefined distance from the master sensor node. The master sensor node receives a request from the mobile device to authenticate its identity and location to a third party connected the radio frequency network channel. The master sensor node authenticates the mobile device to the third party, which provides the mobile device access to a network connection.

Figure 1