

# A triggering mechanism for end-to-end IoT eHealth system with connected ambulance vehicles

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## Abstract:

Today, technology and electronic services are dominating the way people go about their daily lives; improving and enhancing the quality and efficiency of the daily interactions. Among the many fields that have been constantly upgraded and developed is e-Health. Looking at the e-Health services provided today, there is a need for a comprehensive e-Health system that integrates patients, doctors, hospitals, and ambulances. In this paper we present a connected e-Health system that meets the end-to-end requirements especially for elderly people. The system can monitor the user via some sensors and notify the caring physician or call an ambulance in emergency situations. The system uses a Multi-Threshold Multi-Level Triggering algorithm that relies on the multiple inputs from the sensed data in order to identify the possible triggering points. It triggers the appropriate action based on the sensed data and the age of the patient. © 2017 IEEE.

## Reference:

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