Reliability, security and privacy in WBAN

Mots clés :
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Résumé du projet de recherche (Langue 1)
WBAN is a new emergent area of study part of wireless sensor networks area. WBAN received an increased attention in the last years due to their direct application in the health system for patient monitoring inside and outside hospitals. In the past years several communication protocols have been dedicated to WBAN, most of them targeting efficient communication. When tested face to human body mobility most of these protocols fail to verify their specification. Moreover, these protocols are subject of various security and privacy attacks.

Résumé du projet de recherche (Langue 2)
One of the scopes of the thesis is to propose efficient mechanisms for reliable communication in WBAN. We will also target security and privacy of data communication in WBAN. The theoretical achievements will be tested using real workload.