Towards the Design of Secure Smart E-health Monitoring using Anonymized internet of Things (IoTs)

Mots clés :

● Directeur de thèse : Farid NAIT-ABDESSELAM
● Co-encadrant(s) :
● Unité de recherche : Laboratoire d'Informatique PAris DEscartes
● Ecole doctorale : École Doctorale Informatique, Télécommunications, Électronique de Paris
● Domaine scientifique principal: Divers

Résumé du projet de recherche (Langue 1)

The modern health care delivery systems of today have been mainly designed to work onslaught of an illness, and logging of information into Electronic Health Record Systems (EHRs) related to symptoms, diagnosis, treatment etc is initiated with illness. There is hardly any data collected during the wellness phase of a person. Furthermore, access to the data stored in such systems, for the purpose of analysis, involves complicated manual procedures, and related access policies make it extremely difficult to perform analytics. In this age of wireless sensor networks and data sciences, it will be fitting to investigate the security, design of an integrated cyber physical system that allows ubiquitous, but anonymized, collection of wellness and sickness data, and facilitate the development of models and analytics to predict wellness and illness using vast amount of data.