A Review Paper on Biometric Authentication and Geospatial Data

Jeremiah J. Mwiinga and Jackson Phiri
Department of Computer Science
The University of Zambia
Lusaka, Zambia
jeremiah.mwiinga@cs.unza.zm

Abstract

Globally, nowadays, security has become a major issue and we all come across various security threats; from data leaks, cybercrime, data stealing to data manipulation among others because of the traditional methods of enforcing security such as passwords with a high risk of exposure to hacking in spite enforcing other measures like multi factor authentication. While this may prove secure, biometric technology potentially has proved to be much more secure given that the mechanism requires identification and validation of users through data matching after users' images are stored in a central database. They often store unique characteristics of the user. This is what makes biometric technology not to be hacked and more reliable. In this review, we focus on biometrics for crime reporting using geo spatial locations.

Keywords
Biometrics, Multi Factor Authentication and Geospatial Data.