Abstract

Acting like a slow poison for human beings, the E-skin technology potentially harms the cell tissues due to radiation effect. The paper discusses about the increase in number of human deaths as a result of use of this smart technology, which had been developed for the welfare of humans. Currently, the computer systems are widely and continuously being used by humans across the globe and this continuous utilization of technology causes health problems due to its direct linkages with E-skin. In skinput technology, the E-skin is an integral part and is used as an input medium for measuring the electrical activities in human body. The electronic skin works on the principle similar to human skin wherein sensation of touch is prominent, when this electronic skin is embedded into human body. The authors are of the view that this direct linkages of E-skin is significantly harmful and proposes a methodology that uses wireless antenna as an interface between electronic skin and computer system. In the absence of wireless antenna that would act as an interface, the exchange of data between electronic skin and computer system would not be possible. The computer aided diagnosis based on skinput
technology provides a real time health monitoring data for maintaining patient’s records on regular basis and to tackle the problem in emergencies more efficiently.

References

10. Mark Love and Julian Lina, 2002. A Large Area force sensor for smart skin applications, USA.
Intangible Radiation Effect of Electronic-Skin (E-Skin)

Index Terms

Computer Science  Information Systems

Keywords

Electronic skin, human skin, wireless antenna, Computer system, Human computer Interaction (HCI).