

Design of Nanotechnology for Information Security

By

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ABSTRACT

Nanotechnology as an emerging technology has developed over time and has active research areas in many fields, including food safety, chemical engineering, biometrics, materials science and medicine. In modern science, nanotechnology has the potential of becoming the future industrial revolution due to its numerous applications across almost all known fields. In the information technology domain, nanotechnology could provide effective solutions for power-efficient computing, sensing, memory enlargement, and human-machine interaction. Another area that appears quite untapped is the consideration for cybersecurity application. This may involve injecting it into human body system due to its smallness such that any individual can be traced to exact location, especially, in the area of abduction and kidnapping. Acceptability may become a major problem. This paper assesses the acceptability or otherwise, reason for such decision. The results should be a good ground to implement cyber security solutions for warding off kidnapping.

Keywords: nanotechnology, information technology, sensors, devices, cyber security.