

Analysis the Different Types of Nano Sensors on Based of Structure and It's Applications on Nano Electronics

Authors : Hefzollah Mohammadiyan, Mohammad Bagher Heidari, Ensiyeh Hajeb

Abstract : In this paper investigates and analyses the structure of nano sensors will be discussed. The structure can be classified based of nano sensors: quantum points, carbon nanotubes and nano tools, which details into each other and in turn are analyzed. Then will be fully examined to the Carbon nanotubes as chemical and mechanical sensors. The following discussion, be examined compares the advantages and disadvantages as different types of sensors and also it has feature and a wide range of applications in various industries. Finally, the structure and application of Chemical sensor transistors and the sensors will be discussed in air pollution control.

Keywords : carbon nanotubes, quantum points, chemical sensors, mechanical sensors, chemical sensor transistors, single walled nanotube (SWNT), atomic force microscope (AFM)

Conference Title : ICME 2015 : International Conference on Manufacturing Engineering

Conference Location : Venice, Italy

Conference Dates : November 09-10, 2015