



SECOND INTERNATIONAL NANOTECHNOLOGY CONFERENCE ON COMMUNICATIONS AND COOPERATION

Abstract

Carbon-nanotube-based nanorelay

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In this presentation I will discuss our recent theoretical and experimental work on a nanoelectromechanical relay device based on multi-walled carbon nanotubes. I will discuss the basic properties of the structure in terms of a physical model, report on the experimental realizations of the nanorelay, and consider possible applications of the device in digital and analog electronics.