



# ***The Thursday Thing***

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## **Overview of Nanoelectronic Devices**

We survey the literature about research developments toward nanometer-scale electronic switching devices. Specifically, we focus on two classes of alternatives to the field-effect transistor: (1) quantum-effect and single-electron solid-state devices, and (2) molecular electronic devices. We address concepts and operational principles, as well as comparisons between various types of devices. The information is presented in non-mathematical terms intended for a general interested audience.

Date: Thursday, August 2, 2001

Place: MacNaughton 222

Time: 12:30 p.m.

**Cookies will be served. Don't forget your lunch.**