

[Open Peer Review on Qeios](#)

Spintronics

Jose Hugo Garcia¹

¹ Catalan Institute of Nanoscience and Nanotechnology (ICN2)

Is a subfield of electronics that aim to use the an electron' quantum property, known as spin, to process and storage information. The advantage of using the spin over the charge is that the information can be manipulated very fast using ultra-low power consumption.