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TATA INSTITUTE OF FUNDAMENTAL RESEARCH



The Spin on Electronics

Prof. Stuart Parkin

IBM Fellow and Director Max Planck Institute for Microstructure Physics

TIFR Homi Bhabha Auditorium
4:30 pm, Tuesday October 7TH 2014



Prof. Stuart Parkin's key insight into magneto-resistive thin film structures enabled a 1000 fold increase in the storage capacity of magnetic disk drives. Most recently, Prof. Parkin is working on a novel storage class memory device, "Racetrack Memory". He has been a recipient of many honours including the 2014 Millennium Technology Award, 2012 Von Hippel Award, Fellow of the Royal Society, IEEE, AAAS, APS, Member of National Academy of Sciences, and National Academy of Engineering.

The charge on an electron is commonly used in conventional electronics, unlike the spin degree of freedom. Using the spin is revolutionizing computing and storage.

ALL ARE WELCOME

For information contact: pro@tifr.res.in

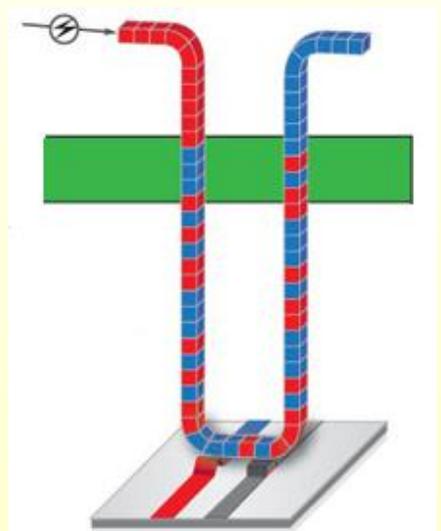


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