

Physics Department Seminar

Friday April 19th, 2013

11:00am in PhSc 105

“The Spin Hall Effect”



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Abstracts:

Spin Hall Effect (SHE) and Inverse Spin Hall Effect (ISHE) are two transport phenomena important in the study of spintronics. Spintronics is a term coined to describe the role played by electron spin in solid state physics and possible devices that specifically exploit spin properties. Imagine a computer that instead of transmitting data in electrical 1's and 0's, transmits in magnetic spin ups and spin downs.

