



Seminar

Spintronics with magnetic insulators

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Time: 2: 00 pm, April. 16, 2019 (Tuesday)

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2:00

Venue: Room W563, Physics building, Peking University

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The spintronics based on magnetic and non-magnetic elemental metals and their alloys has been very successful in the last decade. Discoveries such as the giant magnetoresistance (GMR), tunnel magnetoresistance, spin-transfer torque, (inverse) spin Hall effect, spin-orbit torques etc. not only lead to fundamental new physical insights, but also to functionalities that are employed in new nanoscale devices such as switches, memories, and sensors.

Another class of materials are magnetic insulators, which are very versatile materials of great technological importance. While central to the research in magnetism up to the 80 of the last century [1], they were almost forgotten when metal-based spintronics took(g)7(n)7(e)7(t)-3(i)-3(s)-4(m)] TJET