



Seminar

Spin-Orbit Torques: Discoveries, Advances and Possibilities

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Time: 4:00Pm, Oct. 11, 2018 (Thursday)

2018 10 11

4:00

Venue: Room W563, Physics building, Peking University

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The discoveries early in this decade establishing that robust spin-orbit torques (SOT) can be exerted on the magnetic structure of a ferromagnetic thin film by charge flow in a thin film bilayer consisting of that ferromagnet and a heavy metal layer opened up a broad new exciting area of nanomagnetism research for fundamental studies and potential spintronics applications. Since then there have been many highly notable developments, including: (1) major advances in the understanding of the different possible origins of SOT and their range of characteristics; (2) the identification of new classes of materials that can provide strong spin currents and different types of SOT; (3)