

Spin-Orbit Torque and Beyond

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Efficient manipulation of magnetic elements are one of the main goals in spintronics. Discovery of spin transfer torque two decades ago has made a major impact on magnetic community and industry thus accelerating development of more powerful devices, i.e. STT-MRAM [1]. In particular, over the past few years a new type of torque, so-called spin-orbit torque has emerged and promised even more exciting advent of new type of devices in the future [2,3]. In this talk I will review the recent advancement of spin-orbit torque driven domain wall motion in magnetic nanowires and present other novel torques beyond spin-orbit torque [4,5,6].

References

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