

Students' Annual Webinar

Spin Hall Effect of Light: an optical technique for investigation of Thin films and 2D atomic layers

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Spin Hall Effect of Light (SHEL) is the photonic analogue of electronic spin hall effect in materials, which is observed in reflection of a linearly-polarized Gaussian beam from an interface. SHEL is recently being explored to study material properties such as dielectric constants, optical conductivity and magneto-optic constants of materials. In this talk, I will discuss more about this technique which can be used to study the magnetic properties of thin films of magnetic materials as well as spin orbit interactions in 2D atomic layers of transition metal dichalcogenides.

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5:00 PM