

Séminaire de Butsurin JINNAI

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Lundi 20 Décembre 2021 à 10 AM
Salle R4-A014 / Visioconférence (Teams)

Ultra-small magnetic tunnel junction for fast STT switching



We show ultra-small magnetic tunnel junctions (MTJs) designed for fast spin-transfer torque (STT) switching. By introducing a new multilayered ferromagnetic structure in the MTJs, a characteristic relaxation time, which governs STT switching in precessional regime, can be engineered. This enables fast STT switching beyond 10 ns in sub-5-nm MTJs.

Séminaire organisé dans le cadre du projet **IMPACT Nanomaterials for Sensors (N4S)**



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