## 24th Australian Institute of Physics Congress



Contribution ID: 640 Type: Talk (preferred)

## Skyrmion nucleation on a surface of topological insulators

Thursday 15 December 2022 12:15 (15 minutes)

Skyrmion nucleation induced by spin-transfer torques at an interface of a topological insulator and a ferromagnetic insulator is investigated. We find skyrmion nucleation time, critical nucleation field, and skyrmion numbers.

Author: Dr TRETIAKOV, Oleg (UNSW)

Presenter: Dr TRETIAKOV, Oleg (UNSW)

Session Classification: AIP: Condensed Matter, Materials and Surface Physics

Track Classification: AIP Congress: AIP: Condensed Matter, Materials and Surface Physics