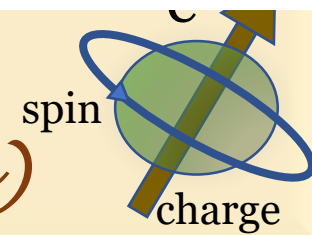




# W2S Seminar

(Webinar series on Spintronics)



## Stochastic magnetic tunnel junction: from device physics to computing



Speaker:

Prof. Shunsuke Fukami  
Tohoku University, Japan

Date and time:

04.21.2022 at  
3.00 pm IST  
i.e. 6.30 pm JST  
i.e. 11.30 am CET

### Abstract

There have been increasing demands on realizing computing hardware capable of executing complex tasks such as optimization and machine learning. Quantum computing utilizing the quantum superposition of zero and one is expected to offer a promising approach for such challenge. In this seminar, an analogous but different path, utilizing a fluctuation between zero and one of a stochastic magnetic tunnel junction, will be described. Recent studies on the device physics to the proof-of-concept demonstration will be reviewed.

To attend the lecture please visit: **Passcode: 911482** Zoom link:  
<https://us06web.zoom.us/j/89945729387?pwd=S3BzNGsrSnpqc3Q5UU1BczlKTmJ4dz09>

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