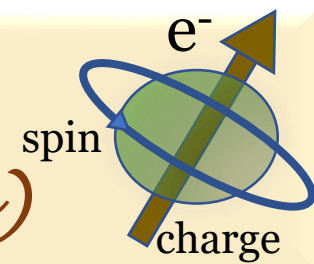




# W2S Seminar

(Webinar series on Spintronics)



## Metallic superlattices revisited

Speaker:

Prof. Koki Takanashi  
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Date and time:

26.08.2021 at  
3.00 pm IST  
i.e. 11.30 am CET

### Abstract

Metallic superlattices, where different metal layers are alternated periodically in a nanometer scale, were extensively studied for the GMR effect and interlayer exchange coupling in 1980's-90's, giving the basis of spintronics. The recent progress of spintronics shows new developments such as spin orbitronics, antiferromagnetic spintronics, and spin caloritronics. For these emerging research areas, the importance of interfaces has attracted much attention because of the possible enhancement of spin-orbit interaction at interfaces. The metallic superlattice as an assembly of interfaces is useful for the systematic study of interface effects. In my group, metallic superlattices are studied from the viewpoint of modern spintronics. I will review the recent results on metallic superlattices including the correlation of spin-orbit torque with interface magnetic anisotropy, and the enhancement of anomalous Nernst effect by multilayering.

To attend the lecture please visit

Zoom link: <https://us06web.zoom.us/j/99828841118>

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