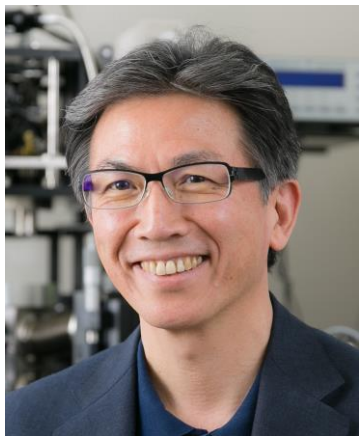
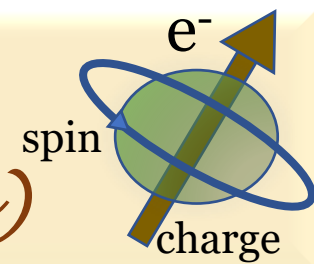




W2S Seminar

(Webinar series on Spintronics)



Functional Topological Chiral Antiferromagnet

Speaker:

Prof. Yoshichika Otani
ISSP University of Tokyo, Japan
RIKEN-CEMS, Japan

Date and time:

09.12.2021 at
3.00 pm IST
i.e. 10.30 am CET

Abstract

Chiral antiferromagnets Mn_3X ($X=Sn$ and Ge) exhibit large magnetoelectric, thermoelectric, and optical responses such as anomalous Hall effect (AHE), anomalous Nernst effect (ANE), magneto-optical Kerr effect (MOKE), and novel type of contribution to the SHE (magnetic SHE, MSHE) and its inverse effects. The first half of this talk will introduce our experimental results on the magnetic spin Hall effects (MSHE), particularly angular dependent spin densities appearing on the surface of a focused ion beam fabricated Mn_3Sn epitaxial thin slab. The second half will discuss the electrical nucleation, displacement, and detection of antiferromagnetic domain walls consisting of the cluster magnetic octupoles.

To attend the lecture please visit: **Passcode: xqTX7w** Zoom link:
<https://us06web.zoom.us/j/88184203794?pwd=eTd1eG5aaUIHdW92bWRNbK5Wd1V2UT09>

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