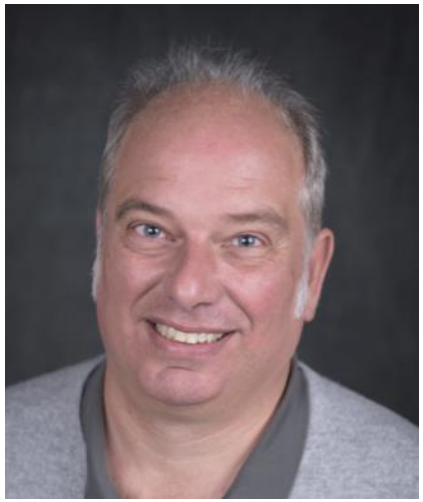
W2S Seminar
(Webinar series on Spintronics)



Hybrid Magnon Modes

Speaker:
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Date and time:
13.08.2020 at
6.30 pm
Via
Google meet

Abstract

Hybrid dynamic excitations have gained increased interest for coherent information processing. Towards this end, magnons, the fundamental excitation quanta of magnetically ordered systems, are of particular interest, since they can be easily tuned by external magnetic fields and interact with a wide range of other excitations.[1] I will provide recent example of such hybrid magnon systems in on-chip geometries, involving superconducting microwave photon resonators,[2] other magnon modes,[3] and surface acoustic waves.[4] This work was supported by the US Department of Energy, Office of Science.

[1] Y. Li, *et al.*, arXiv:2006.16158; **[2]** Y.Li, *et al.*, Phys. Rev. Lett. **123**, 107701 (2019);
[3] Y. Li, *et al.*, Phys. Rev. Lett. **124**, 117202 (2020); **[4]** C. Zhao, *et al.*, Phys. Rev. Appl. **13**, 054032 (2020).

If interested to attend then please visit https://www.niser.ac.in/w2s-seminar/index.php