Date: Jan. 15 (Tue), 10:00 ~ 11:00
Location: J-PARC研究棟2階大会議室.
Speaker: Prof. Je-Geun Park
(Seoul National University)
Title: Noncollinear triangular antiferromagnetism and beyond

Abstract:

Magnon and phonon are the fundamental quasiparticles of solid along side with electron and orbital. Although it is not common, the cross-coupling between magnon and phonon has now been seen in several magnetic systems, in particular in noncollinear triangular antiferromagnets. In a recent review, we have profived the comprehensive review of how we can understand this rare phenomenon [1]. In the second part of my talk, I will highlight some of latest results from my group on two different fields: one is the spin-orbit coupling in Cu oxide [2] and another on the recently discovered magnetic van der Waals materials [3].