

Department of Physics

Condensed Matter Physics
Clarendon Laboratory, Parks Road, Oxford OX1 3PU



CONDENSED MATTER SPECIAL SEMINAR

Friday 2nd of February at 2.15pm

“Magnetic van der Waals Materials: Potentials and Applications”

Prof Je-Geun Park^{1 2}

1 Center for Correlated Electron Systems, Institute for Basic Science (IBS), Seoul 08826, Korea

2 Department of Physics & Astronomy, Seoul National University, Seoul 08826, Korea

There has been a huge increase of interests in two-dimensional van der Waals materials over past ten years or so. Despite the impressive list of new materials and the novel physics it has come to offer, there is the conspicuous absence of one particular class of materials: magnetic van der Waals systems. It is certainly a sorry status of materials science given the huge impact magnetic materials have had on both the fundamental understanding of and the diverse applications in condensed matter physics. In this talk, I will identify and illustrate how we might be able to benefit from exploring these so-far neglected materials.

Host: Prof Arzhang Ardavan

Audrey Wood Seminar Room, Clarendon Laboratory