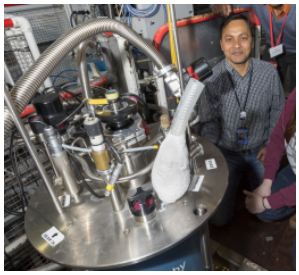

Contribution ID: **13** Type: **not specified**

Noncentrosymmetric, nonsymmorphic, triplet and singlet: the complex soup giving rise to superconducting magnetism

Monday, 11 September 2023 11:20 (20 minutes)

Superconductivity and magnetism have been traditionally viewed as antagonistic states of matter. On the other hand over the last decade or so evidence has accumulated for not just coexistence of superconductivity and magnetism, but even intrinsically magnetic superconducting states. I will discuss the complex and sometimes subtle interactions between lack of inversion symmetry, non-symmorphic crystal structure, and singlet and triplet pairing that may bring about such remarkable behaviour.

Presenter: Dr QUINTANILLA, Jorge (University of Kent)

Session Classification: Supeconductivity I

Track Classification: Superconductivity I