学術講演会

分子性導体や磁性体研究の第一人者であるレンヌ大学Lahcène Ouahab教授をお招きして学術講演会を開催いたします。

日時：平成31年1月23日（水）16:00～

場所：北海道大学電子科学研究所（北キャンパス総合研究棟5号館）1階会議室

**Single Molecule Magnets and Luminescence in Lanthanides Complexes with Redox Ligands.**

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Lanthanide-based complexes have greatly contributed to the development of molecular magnetism in the last decade and more particularly in the branch of single molecule magnets (SMMs) 1. The main reasons are their large magnetic moments associated to their intrinsic large magnetic anisotropy. We will present an introduction to the molecular building blocks used as well as Ln luminescence and SMMs. Then we will focus on TTF-based lanthanide mononuclear and polynuclear complexes showing luminescence through TTF antenna effect, SMM properties and combination of both SMM, luminescence, redox activity and memory effect in diluted frozen solution3-5.

**Reference**

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[3] T. T. da Cunha, J. Jung, M.-E. Boulon, G. Campo, F. Pointillart, C. L. M. Pereira, B. Le Guennic, O. Cador, K. Bernot, F. Pineider, S. Golhen, L. Ouahab, J. Am. Chem. Soc. **2013**, 135, 16332.

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