教育の質向上支援プログラム(EEP)セミナー

模擬講義＆講演会

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フランス高等教育・研究省の上級委員であり、金属錯体や分子磁性体の分野で世界的に著名な Talal Mallah 教授(南パリ大学)をお招きして、講演会を開催いたします。教育の質向上支援プログラムの一環として、「結晶場理論と金属錯体の電子構造」に関する模擬講義、ならびに「機能性ナノ金属錯体」の研究成果についてお話しいただきます。多数ご参集のほど、よろしくお願いいたします。

日時：2015 年 3 月 6 日（金）14: 30～18:00

場所：理学部 2 号館 3 階　化学第二講義室 (2355 室)

Part 1. 模擬講義 (14:30～16:00)

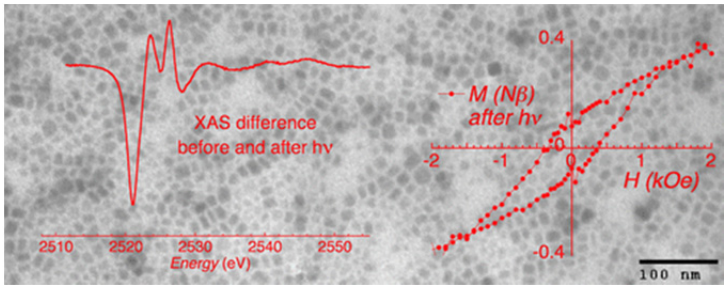
The Application of Crystal Field Theory on Coordination Complexes

Part 2. 講演会 (16:30～18:00)

Functional Coordination Nanomaterials

Abstract: Nanoparticles based on coordination networks have been reported for the first time less than a decade ago on Prussian blue analog, and more recently on other networks opening the perspectives for the synthesis of new functional nano-objects. One of the aims in this fast developing area is the use of the richness (structural and electronic) and the flexibility of coordination complexes to tailor the properties of new objects. New materials can thus be elaborated where the properties of the molecules that serve as a building block contribute to create functionalities at the nanoscale. Electron transfer, spin transition and luminescence are among the physical properties of coordination complexes that can be gathered in one nano-object creating a given function.

The field of coordination networks is vast; we will focus on cyanide-bridged systems and demonstrate their potential to create new functionalities by the association of different properties within a single nano-object.



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