

Dr. Amparo Ruiz-Carretero

Institute Charles Sadron, University of Strasbourg, CNRS (France)
Charge de Recherche (Assistant Professor)



Title: *An Overview of Hydrogen-Bonding in Supramolecular Electronics*

Abstract: Supramolecular chemistry is a fascinating field of chemistry where weak noncovalent interactions provide extraordinary properties to many chemical systems. In these seminars, the interesting results obtained in energy-related technologies will be reviewed, emphasizing the role of hydrogen-bonding.

1) General introduction on supramolecular strategies applied to organic electronics

Time & Date: 2022. Feb. 14 (Mon.) 16:00~17:30 (Japan time) + Q&A

2) Overview of hydrogen-bonded π -conjugated systems in different electronic devices

Time & Date: 2022. Feb. 14 (Mon.) 18:00~19:30 (Japan time) + Q&A

3) Exploring the role of hydrogen-bonding in organic electronics using a model system based on diketopyrrolopyrrole

Time & Date: 2022. Feb. 15 (Tue.) 16:00~17:30 (Japan time) + Q&A

4) Perspectives on hydrogen-bonding applied to multiple π -conjugated systems and chiral supramolecular structures

Time & Date: 2022. Feb. 15 (Tue.) 18:00~19:30 (Japan time) + Q&A

※受講希望者はJGP化学系オフィスの北尾 (kitao.miya.2r@kyoto-u.ac.jp) にメールで、受講希望の旨と氏名・専攻・学年・学生番号をご連絡ください。受講用設定方法をお伝えいたします。

※物質機能・変換科学分野 及び 分子工学専攻以外の融合コース、又は専攻で修了単位として認められるかどうかは、Aクラスター事務区教務掛にご相談下さい。

連絡先: JGP化学系オフィス (090jgpchem@mail2.adm.kyoto-u.ac.jp, 内線: 桂 2878)