

理工学研究所

国際交流・公開研究セミナー

Prof. Eli Zysman-Colman (UK, University of St Andrews)が来日される機会に、最近その応用が注目されている青色 OLED のリン光性ドーパントについて、基礎となる青色リン光性錯体や遅延蛍光有機分子の分子デザインや光物性ならびにそれらを用いた OLED デバイスに関してご講演をお願いしました。是非ご参集ください。

題目: Blue Emitting Materials for Solid State Lighting

講演者: Prof. Eli Zysman-Colman
(UK, University of St Andrews)

日時: 2017 年 2 月 3 日(金) 16:30 - 18:00

場所: 中央大学 後楽園キャンパス 6号館 7 階 6701 号室

アブストラクト:

Artificial lighting represents an almost \$91 Billion worldwide, corresponding to 20% of total worldwide electricity output. The fabrication of solid-state lighting devices that are significantly more energy efficient and lower cost than the current state-of-the-art is particularly germane to addressing issues relating to energy consumption, environmental impact and quality of living. Organic Light Emitting Diodes (OLEDs) and Light-emitting electrochemical cells (LEECs) represent two promising technologies. However, stable and bright white light devices have yet to be fully realized in the latter while the cost is presently too high in the former. One of the main challenges remaining is the development of bright blue emitters that when incorporated produce bright and stable devices of the same colour. In this presentation I will outline our recent efforts towards the rationale design of blue-emitting cationic iridium complexes and small molecule organic emitters and their incorporation into LEECs and OLEDs.

講演終了後、懇談会を予定しております。

連絡先: 中央大学理工学部応用化学科
芳賀正明
email: mhaga@kc.chuo-u.ac.jp
電話: 03-3817-1908