



## G-COE Seminar #38

高分子学会九州支部外国人学者講演会



White Electroluminescence from Single Polymer System

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九州大学先導物質化学研究所(伊都地区) 2F 会議室

### 参加費無料

Wang 先生は中国科学院長春応用化学研究所所長で国家戦略高分子研究所の教授で、機能性高分子の合成の分野で活発に研究を展開されています。高分子年次大会での招待講演のため来日されており、九大訪問の機会に講演会を企画しました。多数ご出席くださいますようお願い申し上げます。

#### Abstract

Several approaches were proposed to generate two-color and three-color white electroluminescence from the single polymer systems with different emission components based on the control of energy transfer and charge trapping among the emissive species. For example, one approach is to incorporate an orange chromophore to a blue light emitting polymer host on the mainchain or on the side chain. The other one is to covalently attach both a green chromophore and a red chromophore to a blue emissive polymer host with different attachments for three-color white emission and to use blue, green, red dopant units as individual emissive species and polyfluorene as individual polymer host. White electroluminescence from these single polymers has promising color stability and excellent EL performance.

#### 連絡先

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