

# マテリアルサイエンス系セミナー(第10回)

## テーマ

# 「New Trends of Functional High-Performance Polymers for Advanced Applications」

**講演者:** Distinguished Professor, Guey-Sheng Liou

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**日時:** 平成28年12月9日(金) 15:30~17:30

**場所:** マテリアルサイエンス系研究棟IV棟8階 中セミナー室

### 講演要旨:

This talk will cover the recent works in our laboratory involving the synthesis and evaluation of functional high-performance polymers (HPPs) as well as their structural design by using the respective novel arylamine/triphenylamine (TPA) containing monomers. Solution-processable functional HPPs were successfully prepared as the application of AIE-based PL luminescent and electrochromic materials with interesting color transitions and good electrochromic reversibility in the visible region or NIR range, electrofluorochromic and polymeric memory devices. Besides, highly transparent and flexible polymer/inorganic nanocomposites for optical and electronic applications will also be included. The relation between structures and properties of the resulted functional high-performance polymers will be discussed in terms of their functionality

### 講演者略歴:

B.S., National Taiwan University of Science and Technology (1983)  
M.S., National Taiwan University of Science and Technology (1989)  
Ph.D., Tokyo Institute of Technology, Tokyo Japan (1993)  
Researcher, Industrial Technology Research Institute (ITRI), 1993/8~1996/7  
Associate Professor to Professor, Department of Chemical Engineering, I-Shou University, 1996/9~2001/7  
Professor, Department of Applied Chemistry, National Chi Nan University, 2001/8~2007/7  
Professor, National Taiwan University, 2007/8- ; Distinguished Professor 2013-

**参加申込・予約は不要です。直接会場にお越しください。**

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