

## CBC SEMINAR ANNOUNCEMENT



**Professor Shingo Ito**  
**The University of Tokyo**

### **Synthesis of Nitrogen-Containing Polyarenes Using Polycyclic Aromatic Azomethine Ylides**

Introduction of nitrogen atoms into polycyclic aromatic hydrocarbons (PAHs) have received much attention because it significantly alters the intrinsic properties of PAHs. However, the variety of accessible nitrogen-containing PAHs is still limited. Here I introduce our recent research on the synthesis and properties of novel polycyclic aromatic azomethine ylides (PA-AMs) and their applications to the synthesis of various planar and bowl-shaped nitrogen-containing PAHs. The lecture consists of the following three topics: 1) synthesis and properties of PA-AMs, 2) 1,3-dipolar cycloaddition of PA-AMs with various alkenes and alkynes to form corresponding pyrrolidine and pyrrole derivatives, and 3) synthesis and applications of novel azacorannulene derivatives.

<b>Date:</b>	<b>7th August 2017 (Monday)</b>
<b>Time:</b>	<b>10:00am – 11:30am</b>
<b>Venue:</b>	<b>SPMS Research &amp; Graduate Studies Office Conference Room</b>
<b>Host:</b>	<b>Professor Tan Choon Hong</b>