



グローバル COE 物質科学イノベーション講演会

演 題 : Polymers going rigid, thick and laterally infinite

講 師 : Professor Dieter Schlüter

ETH (Eidgenössische Technische Hochschule Zürich)

日 時 : 2010 年 2 月 9 日 (火) 14 : 00 ~ 15 : 30

場 所 : 理学部 6 号館 6- 1 -03 室

要 旨 : The lecture will start with the application of the famous Suzuki-Miyaura cross-coupling to polymer synthesis and show how high molar mass polyarylenes can be made by this chemistry (Topic: Suzuki polycondensation). It will continue with describing a major effort into how linear polymer chains can be thickened in their cross-sectional diameter by attaching dendrons to each repeat unit and what this can lead to in terms of properties (Topic: dendronized polymers). The lecture will finish with synthetic attempts towards achieving controlled lateral growth which eventually will allow accessing periodic, sheet-like macromolecular objects (Topic: Two-dimensional polymers).

連絡先 : 理学研究院化学部門 鈴木孝紀 (内線 : 2714)