

九州大学 平成30年度 第2回 分子・物質合成プラットフォームセミナー

◆ 講演題目 ◆

Chemically Tailored Fluorescent Defects in Carbon Semiconductors

◎日時： 平成30年7月6日（金）
14:00 - 15:00 14:30 - 15:30

◎場所： 九州大学伊都キャンパス
ウエスト4号館314
物質系4番講義室

Abstract

We synthetically create new materials with exciting new properties from low-dimensional carbon materials. New chemistries and tools are being developed in order to directly tailor nanomaterials at the electronic and optical levels. We have been able to open new research directions and develop technology platforms for discovering fundamentally new phenomena and properties at both the very small length scale and the very large scale. Examples of our current researches include creating molecularly tunable fluorescent quantum defects to understand and control the coupling of electrons, excitons, phonons, and spin with defects in reduced dimensions, establishing the molecular science of carbon, elucidating the fundamental principles that govern the assembly and collective properties of nanostructured solids and networks, and developing novel energy and functional devices, instrumentation and methodologies to tackle some of the fundamental problems in energy, nanofabrication, quantum science, nanoelectronics, and biomedicine.



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YuHuang Wang 先生をお迎えしてセミナーを開催いたします。多数ご参加いただけますようご案内致します。

参加費無料

■主催 九州大学 分子・物質合成プラットフォーム

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