

# 【超撥水表面の紹介】 【Superhydrophobic Coatings Overview】

**講演者 (Speaker):**

**RIGOBERTO C. ADVINCULA, Ph.D**

**肩書き (title)**

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**日時 (Date & Time): 2018年7月19日(木) (開場 8:45)**

**会場 (Venue): 厚生棟3階 大会議室**

**主催 (Host): 慶應義塾大学グローバルリサーチインスティテュート(KGRI) 創造クラスター**

**共催 (Co-hosts): 未来先導基金**

**講演概要 (Summary of Lecture):**

*Superhydrophobic coatings is important for achieving properties that are related to anti-corrosion, self-cleaning surfaces, bacterial resistant surfaces, and a host of other advantageous properties. In this talk, we will review the principles behind the non-wetting behavior of surfaces, the methods for fabricating superhydrophobic films, and their demonstrated applications. We also demonstrate superhydrophobic/superhydrophilic and superwetting control based on the use of nanostructured polymer and macromolecular layer-by-layer approaches combined with polymer grafting. By templating for example the lotus leaf, it is possible to use hierarchical roughness control followed by reversible wetting behavior with an LCST limited grafted polymer hydrogel.*

「リゴベルト・アドヴィンキュラー先生は、スーパーグローバル大学創成支援事業の特別招聘教授(国際)として招聘されています。」

Professor Rigoberto C. Advincula has been invited to Keio University as a Guest Professor (Global) as part of the Top Global University Project.

**お問合せ先 (Inquiries):**

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Free admission, Open to anyone,  
Pre-registration not required