## 講演会のご案内

Designing Macroporous-Mesoporous Adsorbents for Sustainability

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**Abstract:** Nanoporous materials offer significant advantages for application as selective sorbents, catalysts or nanocarriers for biomedical technologies, owing to their high specific surface area and well-calibrated pores large enough to perform reactions or processes involving adsorption and diffusion of bulky species. Here, we will discuss synthesis concepts for the design of functional nanoporous materials containing both mesopores and macropores, that could offer interesting prospects for separation technologies. Emphasis is placed on hierarchically-porous monolith and powder sorbents (i.e., silica, organic-inorganic hybrids and COF-based materials) for critical materials recovery and pollutant removal.

日時: 2025年7月24日(木) 10:30~12:00

場所: 工学部 113 講義室

世話人: 大下浄治 (先進理工系科学研究科・スマートイノベーションプログラム)

