

The 459th

MANA Seminar



Advances in the characterization of nanoporous materials with hierarchical pore structure

Chair: Dr. Takayoshi Sasaki (MANA PI)

Prof. Matthias Thommes

(University of Edinburgh, Quantachrome Instruments)

Comprehensive textural characterization of nanoporous materials has become more important than ever for the optimization of novel systems used in many important existing and potentially new applications. Applications of hierarchical nanoporous materials such as mesoporous zeolites require an in-depth pore structural characterization. Detailed insights about the pore architecture (e.g., pore size, pore size distribution, pore volume, and pore interconnectivity) are particularly important because they control transport phenomena and diffusional rates and govern selectivity in catalyzed reactions. In this seminar, Dr. Matthias Thommes will discuss recent advances in the characterization of nanoporous materials with complex pore architecture.

Venue: Auditorium, 1F, WPI-MANA Bldg.

Date: March 20th, Friday

Time: 14:00-15:00

Contact: International Center for Materials Nanoarchitectonics (MANA), mana-seminar@ml.nims.go.jp

