

Departmental Seminar Announcement

Stimuli-Responsive Functional Materials

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Stimuli-Responsive MOFs as Electronic and Photonic Materials: To develop new sensors, semiconductors, light-harvesting, and light-emitting materials, we are constructing stimuli-responsive MOFs using electronically and optically active ligands, integrating them into devices, and investigating how they change their optical and electronic properties in response to guest molecules and ions, applied electric field, and light. The guest-induced color and conductivity changes in MOFs can lead to sensing, while those triggered by electric field and light could expand their utility in electronic devices, batteries, solar cells, and energy efficient lights.

Date: Friday, March 31, 2017

Time: 11:00 am to 12:00 pm

Location: PG5 - 153 MMC (Live)

Marine Sciences Building Room 105 (MSB-105) – BBC (via Polycom)