IBN SEMINAR SERIES



Interfacial Assembly and Engineering of Functional Mesoporous Materials for Applications

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Friday, July 20, 2018 • 10:00 am to 11:00 am
Creation Theatrette, Level 4 • The Matrix, 30 Biopolis Street, Biopolis

ABSTRACT

With recent progress made in modern nanoscience and nanotechnology, ordered mesoporous materials have been one of the hottest research topics in the scientific community, spanning chemistry, materials science, physics and biology. Generally, two kinds of templates are used to produce the mesopores: supramolecular aggregates such as surfactant micelle arrays, and rigid preformed solids such as ordered mesoporous silica, carbon, and colloidal crystals. Recently we have developed a novel facile approach i.e. a solvent evaporation-induced aggregating assembly (EIAA) to synthesize large pore mesoporous silica materials. In addition, the well-known hard-templating method for mesoporous materials is also a typical interface reaction.

ABOUT THE SPEAKER

Dongyuan Zhao was born in Northeastern China, and received his B.S. (1984), M.S. (1987) and PhD (1990) from Jilin University. He was a post-

doctoral fellow in University of Houston (1995–96) and the University of California at Santa Barbara (1996–98). He is currently Professor (Cheung Kong and Hao-Qing Professorship) in the Department of Chemistry at Fudan University and the senior editor of *ACS Central Science*. He was a member of the Chinese Academy of Sciences and The Third World Academy of Science (TWAS), Council Member of IZA and President of International Mesostructured Materials Association (IMMA). He has published more than 600 peer-review papers and is listed as one of the highly cited researchers in ISI in both Chemistry and Materials Science fields. His main research interests include designed synthesis, assembly, structure and application of ordered mesoporous materials.

This seminar is free and no pre-registration is required.
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