

UniSysCat Colloquium

Prof. Dr. Banglin Chen

University of Texas at San Antonio

Start Time: Wednesday, June 19, 2019 05:15 pm

End Time: Wednesday, June 19, 2019 06:45 pm

Chemistry Building, C264

Technische Universität Berlin, Straße des 17. Juni 115, 10623 Berlin

Our Journey of Exploring Multifunctional Metal-Organic Framework Materials through Global Collaboration

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Discoveries of novel multifunctional materials have played very important roles to the development of science and technologies and thus to benefit our daily life. Among the diverse materials, metal-organic framework (MOF) materials are rapidly emerging as a unique type of porous and organic/inorganic hybrid materials which can be simply self-assembled from their corresponding inorganic metal ions/clusters with organic linkers and can be straightforwardly characterized by various analytical methods. They exhibit great potentials for a broad range of applications in gas storage, gas separations, enantioselective separations, photonics, chemical sensing, heterogeneous catalysis, proton conductivity, membrane separations and drug delivery. In this talk, I will highlight our efforts and progress on exploring multifunctional metal-organic frameworks through global collaboration.

Prof. Dr. Arne Thomas

Organizer