



UGC AoE on Institute of Molecular Functional Materials Workshop

6 September 2014

**Department of Chemistry
The Hong Kong University of Science and Technology**

Invited Speakers:

Dr Ken Cham-Fai Leung, Hong Kong Baptist University

Dr. Xinggui Gu, The Hong Kong University of Science and Technology

Dr. Zikai He, The Hong Kong University of Science and Technology

Dr. Sue Wai-Han Lam, The University of Hong Kong

Dr. Mingde Li, The University of Hong Kong

Dr. Bao Wang, Hong Kong Baptist University

Dr. Xiao-Dong Xiong, The Chinese University of Hong Kong

Mr. Wing-Kin Chu, City University of Hong Kong

Ms Li Ma, City University of Hong Kong

Mr. Chi-Ho Siu, Hong Kong Baptist University

Mr. Chun-Wai Tse, The University of Hong Kong

Mr. Taotao Zou, The University of Hong Kong

**Venue: Lecture Theater, G/F, Lo Ka Chung Building,
Lee Shau Kee Campus, HKUST**

UGC AoE on Institute of Molecular Functional Materials

Workshop

Lecture Theater, G/F, Lo Ka Chung Building, Lee Shau Kee Campus

The Hong Kong University of Science and Technology

6 September 2014 (Saturday)

09:15 – 09:30	Heteroatom-Bridged Tetraphenylenes: Synthesis, Structures and Properties <i>Dr. Xiao-Dong Xiong, The Chinese University of Hong Kong</i>
09:30 – 09:45	Synthesis, Aggregation-Induced Emission and Chromism of Bis(diarylmethylene)dihydroacenes <i>Dr. Zikai He, The Hong Kong University of Science and Technology</i>
09:45 – 10:00	Highly Efficient Alkane Oxidation Catalyzed by $[\text{Mn}^{\text{V}}(\text{N})(\text{CN})_4]^{2-}$. Evidence for $[\text{Mn}^{\text{VII}}(\text{N})(\text{O})(\text{CN})_4]^{2-}$ as Active Intermediate <i>Ms Li Ma, City University of Hong Kong</i>
10:00 – 10:15	Nonheme Iron Mediated Oxidation of Light Alkanes with Oxone: Characterization of Reactive Oxoiron(IV) Ligand Cation Radical Intermediates by Spectroscopic Studies and DFT Calculations <i>Mr. Chun-Wai Tse, The University of Hong Kong</i>
10:15 – 10:30	Naphthodithiophene-Based Copolymers for Organic Electronics <i>Dr. Bao Wang, Hong Kong Baptist University</i>
10:30 – 10:45	Computational Studies on Platinum(II) Alkynyl Systems of Tridentate Pincer Ligands in Nonradiative Processes via the Metal-Centered Excited States <i>Dr. Sue Wai-Han Lam, The University of Hong Kong</i>
10:45 – 11:05	Coffee Break
11:05 – 11:20	A Photoactivatable Mitochondrial Probe Constructed from a New AIE Fluorophore Based on Photo-Oxidative Dehydrocyclization <i>Dr. Xinggui Gu, The Hong Kong University of Science and Technology</i>
11:20 – 11:35	Luminescent Isocyanoborato Complexes: Synthesis, Photophysics and Applications <i>Mr. Wing-Kin Chu, City University of Hong Kong</i>
11:35 – 11:50	Luminescent Cyclometalated Platinum(II) Complex Forms Emissive Intercalating Adducts with Double-Stranded DNA and RNA: Differential Emissions and Anticancer Activities <i>Mr. Taotao Zou, The University of Hong Kong</i>
11:50 – 12:05	Surface Properties of Self-assembling Hyperbranched Polymers <i>Dr Ken Cham-Fai Leung, Hong Kong Baptist University</i>
12:05 – 12:20	Time-Resolved Spectroscopy Studies of Selected Materials Used in Dye Sensitized Solar Cells and Other Reactions <i>Dr. Mingde Li, The University of Hong Kong</i>
12:20 – 12:35	Organic Dyes with Di-anchoring Groups for Efficient Dye-Sensitized Solar Cells <i>Mr. Chi-Ho Siu, Hong Kong Baptist University</i>
