The Workshop on Structured Tensors

Date: 17 January, 2014  
Venue: R503, The Hong Kong Polytechnic University  
Sponsors: JRI PolyU and CMIV HKBU  
Organizers: Michael Ng and Liqun Qi

Each talk includes 10 minute discussion time

**Session One 9:30-11:10**  
Chairman: Liqun Qi

9:30-10:20  
Talk One: Speaker: Yimin Wei; Title: The inverse, rank and product of tensors

10:20-11:10  
Talk Two: Speaker: Wen Li; Title: The perturbation bound for the Perron vector of a transition probability tensor

**Session Two 2:30-4:00**  
Chairman: Lars Elden

2:30-3:20  
Talk Three: Speaker: Liqun Qi; Title: Hankel tensors: Associated Hankel matrices and Vandermonde decomposition

3:20-4:00  
Talk Four: Speaker: Weiyang Ding; Title: Fast Hankel tensor-vector product and higher-order Takagi factorization

**Session Three 4:20-6:00**  
Chairman: Changqing Xu

4:20-5:10  
Talk Five: Speaker: Zhongming Chen; Title: Circulant tensors: Native eigenvalues and symmetrization

5:10-6:00  
Talk Six: Speaker: Michael Ng; Title: New Definition of Tensor Eigenvalues and an Application to Toeplitz tensors