THE HONG KONG POLYTECHNIC UNIVERSITY
香港理工大學

DEPARTMENT OF APPLIED MATHEMATICS
應 用 數 學 系

Workshop on New Optimization Methods

Date: November 20, 2017

Venue: TU801

Objective

The aim of the workshop is to bring leading experts and young researchers in optimization together to exchange their recent research findings and outcomes.

Section I: Invited Talks		
Time	Speaker	Title
11:00 – 12:00	Yin Zhang (Rice University)	A new algorithm for data clustering: K-indicators versus K-means
12:00 – 13:40	Lunch	
13:40 – 14:40	Jane Ye (University of Victoria)	On solving bilevel optimization problems
14:40 – 15:00	Tea Break	
Section II: Talks & Discussions		
15:00 – 15:20	Bo Jiang (Nanjing Normal University & The Hong Kong Polytechnic University)	Vector transport-free SVRG with general retraction for Riemannian optimization: Complexity analysis and practical implementation
15:20 – 15:40	Lei Yang (The Hong Kong Polytechnic University)	A non-monotone alternating updating method for a class of matrix factorization problems
15:40 – 16:00	Liang Chen (Hunan University & The Hong Kong Polytechnic University)	Inexact block symmetric Gauss-Seidel iteration based ADMM for multi-block semidefinite programming
16:00 – 16:20	Tianxiang Liu (The Hong Kong Polytechnic University)	Further properties of the forward-backward envelope with applications to difference-of-convex programming
16:20 – 16:40	Dingtao Peng (Guizhou University & The Hong Kong Polytechnic University)	Second-order directional stationarity in multivariate regression with folded concave penalty
16:40 – 17:00	Hailin Sun (Nanjing University of Science and Technology & The Hong Kong Polytechnic University)	Discrete approximation of two-stage stochastic and distributionally robust linear complementarity problems

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