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Room 220, Lady Shaw Building, The Chinese University of Hong Kong, Shatin, N.T., Hong Kong

Seminar

Riemannian Optimization with its Application to Blind Deconvolution Problem

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Abstract

Optimization on Riemannian manifolds, also called Riemannian optimization, considers finding an optimum of a real-valued function defined on a Riemannian manifold. Riemannian optimization has been a topic of much interest over the past few years due to many important applications, e.g., blind source separation, computations on symmetric positive matrices, low-rank learning, graph similarity, and elastic shape analysis. In this presentation, the framework of Riemannian optimization is introduced, and the history and current state of Riemannian optimization algorithms are briefly reviewed. Optimization problems in the blind deconvolution is used to demonstrate the efficiency and effectiveness of Riemannian optimization.

Date: **19 April 2018 (Thursday)**

Time: **3:00pm – 4:15pm**

Venue: **Room 219**, Lady Shaw Building,
The Chinese University of Hong Kong, Shatin

All are Welcome