

**The Hong Kong Polytechnic University
Department of Applied Mathematics**

Seminar

Generalized Semi-Infinite Programming Problems

By

**Dr. Xiaomeng Hu
University of California San Diego**

Abstract

We talk about Generalized Semi-Infinite Programming (GSIP) problems, which are given by polynomial functions. We propose Moment-SOS relaxations and polynomial extensions to solve GSIPs. The classical Semi-Infinite Programming (SIP) problem can also be solved as a special case of GSIPs. Numerical experiments are presented to demonstrate the efficiency of the proposed method.

Date: 25 July 2023 (Tuesday)

Time: 10:00-11:00 (Hong Kong Standard Time GMT +8)

Venue: QR504

Speaker: Dr. Xiaomeng Hu, University of California San Diego

Host: Dr. Xindong Tang, The Hong Kong Polytechnic University

***** ALL ARE WELCOME *****