Short Course Schedule

June 19, 2018
Room 202, South Building of AMSS
Title: Optimization techniques in monotonic regression and its applications
Speaker: Oleg Burdakov
Session 1, 8:30 - 10:00
Monotonic regression (MR) problem: formulation and optimality conditions Pool-Adjacent-Violators (PAV) algorithm for linearly ordered data
Session 2, 10:10 - 11:40
Generalized PAV algorithm for solving large scale MR problem with partially ordered data
Session 3, 14:00 - 15:30
Applications of MR in using finite-elements for solving PDEs, and in computational psychology
Session 4, 15:40 - 17:10
Smoothing monotonic regression solutions