

Prof. Dr. Juan Peypouquet

Topic: *Inertial Algorithms for Monotone Inclusions and Fixed-Point Problems*

Abstract:

We present an overview of the dynamical aspects of old and new first order methods used in optimization and variational analysis, and how inertial features and relaxation can help improve their performance. Special attention will be paid to inertial and overrelaxed primal-dual methods, as an illustration.