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A SPECIAL ISSUE ON NONLINEAR ANALYSIS AND OPTIMIZATION DEDICATED TO PROFESSOR SIMEON REICH, PART II

This Special Issue on Nonlinear Analysis and Optimization is dedicated to Professor Simeon Reich in celebration of his 70th birthday. During his research career Professor Reich has made significant contributions to many areas of mathematics including nonlinear operator theory, nonlinear evolution and integral equations, the identification and estimation of nonlinear distributed parameter systems, infinite-dimensional holomorphy, variational inequalities, and sequential and parallel algorithms in feasibility and optimization. His list of publications contains three monographs, nineteen edited volumes and more than 450 research papers. His work has had great impact on research in analysis and optimization, as well as on a wide range of their applications. Simeon has had fifteen PhD students and nine MSc students.

In this special issue we present papers authored by a selected group of experts in the areas of nonlinear analysis and optimization theory. Most of the papers collected here have been contributed by collaborators, friends and colleagues of Simeon's, who were influenced by his research. Part II of the special issue contains nine papers contributed by well-known experts in nonlinear analysis and optimization from Canada, Egypt, Germany, Israel, Japan, Nigeria, Romania and USA. These papers cover a wide spectrum of important problems and topics of current research interest of analysis and optimization such as maximally monotone operators derived from nonsunny nonexpansive retractions; modulated ergodic theorems; proximal point algorithm in $CAT(0)$ spaces; A Krasnoselskii-type algorithm for approximating solutions of variational inequality problems and convex feasibility problems; Hopf bifurcation of relative periodic solutions in a system of five passively mode-locked lasers; Sturm theorems and distance between adjacent zeros for second order integro-differential equations; disintegration of Young measures; Edelstein's fixed point theorem in semimetric spaces and a second order finite difference scheme for a variable infection-structured model of mycobacterium marinum dynamics in aquatic animals.

Therefore we feel that this special issue will be very valuable for many mathematicians and practitioners who are interested in recent developments in nonlinear analysis and optimization as well as their numerous applications.

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