



PREFACE
A SPECIAL ISSUE ON OPTIMIZATION AND ITS APPLICATIONS
DEDICATED TO THE MEMORY OF NAUM SHOR ON THE OCCASION OF HIS
85TH BIRTHDAY

Naum Shor (1 January 1937– 26 February 2006) was an outstanding Soviet-Ukrainian mathematician who worked in optimization and its applications. He made significant contributions to non-smooth, nonlinear, stochastic and discrete optimization as well as to multi-extremal programming problems. Professor Shor is well known for his ellipsoid method developed in the mid-70s independent on A. Nemirovsky and D. Yudin. The method has been used later by L. Khachiyan to prove that LP can be solved in polynomial time.

Naum Shor obtained his PhD in 1964 and became a member of the National Academy of Science of Ukraine in 1998. He had a long career with the Institute of Cybernetics of the Ukrainian Academy of Science, where he was a head of the department of non-smooth optimization. He published 9 books and 75 papers in refereed journals.

In this special issue, we present papers of a selected group of experts in the area of Optimization. Most of the papers were contributed by former students, collaborators, friends and colleagues, who were influenced by Naum Shor's scientific work. The special issue contains nine papers contributed by researchers from China, Germany, Hungary, Italy, Israel, Ukraine, and USA. These papers cover a wide spectrum of important problems and topics of current research interest. We feel that this special issue will be important for those, who are interested in recent developments in Optimization theory and applications.

Roman Polyak
George Mason University, United States
E-mail address: rpolyak@gmu.edu

Alexander Zaslavski
Technion–Israel Institute of Technology, Israel
E-mail address: ajzasl@technion.ac.il

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