EDITORIAL
A SPECIAL ISSUE ON RECENT PROGRESS ON VECTOR OPTIMIZATION AND RELATED TOPICS DEDICATED TO PROFESSOR DINH THE LUC ON THE OCCASION OF HIS 70TH BIRTHDAY

This special issue of Recent Progress in Vector Optimization and Related Topics is edited in honor of Professor Dinh The Luc for his substantial contribution to vector optimization and for his scientific leadership.

Professor Dinh The Luc was born in Ninh-binh, Vietnam on May 28, 1952. He obtained his M.S. degree from the Department of Mathematics, Lomonosov Moscow State University, USSR in 1974 and Ph.D. from the Department of Mathematics, Hungarian Academy of Science, Hungary in 1983 with thesis title "Contributions to Duality Theory in Mathematical Programming" and Professor A. Prekopa as his thesis supervisor. Professor Dinh The Luc has been the Emeritus Professor since 2017 and Distinguished Professor (Professeur de Classe Exceptionnelle) of the Avignon University until 2017. Professor Dinh The Luc held the following positions in Avignon University: Director of the Research Laboratory "Laboratoire de Mathématiques d' Avignon", 2013-2016; Deputy director of the Research Laboratory "Nonlinear Analysis and Geometry", 2008-2012; Director of the Department of Mathematics, 1999-2001; and the following positions in the Hanoi Institute of Mathematics: Deputy Director, 1996-1999; Head of the Center for Applications of Mathematics, 1996-1997; and Head of the research group "Nonconvex

analysis in optimization and dynamical systems", 1989-1994. During his teaching and research career in the following universities: the Avignon University, University of Limoges (France); Hochiminh City International University, Hanoi Institut of Mathematics (Vietnam), Polytechnical University of Mexico City (Mexico), Autonomous University of Barcelona (Spain) Eotvos University of Budapest (Hungary), Professor Dinh The Luc has successfully supervised 10 PhD students. He is now Co-Editor-in-Chief of Communications in Optimization Theory since 2016 and editorial board member of Journal of Nonlinear and Variational Analysis since 2016. He was also the editorial board members of the following journals: Journal of Optimization Theory and Applications, Optimization, Acta Mathematica Vietnamica, Iranian Journal of Operations Research, Iranian Journal of Science and technology, and Vietnam Journal of Mathematical Applications. Professor Dinh The Luc made significant contributions to serve the research communities. He was the Chair and member of the International Scientific Committee of the Working Group on Generalized Convexity and Monotonicity, 2009-2012 and 1996 – 2017, respectively. He was also the Vice President of the Hanoi Mathematical Society, 1996-2002. Professor Dinh The Luc obtained several awards and grants. We list some of them as follows: Alexander von Humboldt grant (1987-1988,1991), University of Erlangen, Germany; Solomon Lefschetz research grant (1989), CINVESTAV-IPN, Mexico-City, Mexico; Award for research and doctoral supervision works, the French Ministry of Education (2000-2008; 2009- 2013; 2014-2016). Professor Dinh The Luc is very active in research and is one of the pioneers in investigating vector optimization problems. His three published monographs and books have made very significant contribution to the vector optimization research society and already helped many young researchers do research in this area. We listed these important monographs and books as follows: Dinh The Luc, "Multiobjective Linear Programming", Springer, 2016; V. Jeyakumar and Dinh The Luc, "Nonsmooth Vector Functions and Continuous Optimization", Springer, New York, NY, 2007; and Dinh The Luc, "Theory of Vector Optimization" (Lecture Notes in Econ. Math. Systems 319), Springer Verlag, Berlin-Heidelberg-New York, 1989. In addition to the monographs and books, Professor Dinh The Luc also published more than 120 technical papers in various well known and prestigious journals like Mathematical Programming, SIAM Journal on Optimization, Journal of Optimization Theory and Applications, Journal of Global Optimization, Nonlinear Analysis, European Journal of Operations Research, Journal of Convex Analysis and so on. There is no doubt to say that Professor Dinh The Luc is one of the most influential pioneers in the research areas of vector optimization and related problems. We wish that Professor Dinh The Luc will continue his deep insight to promote the research in vector optimization community and guide young researchers in research.

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