

Preface

The Special Issue dedicated to the memory of Prof. Phan Dinh Dieu (1936-2018)



This Special Issue of Journal of Computer Science and Cybernetics is dedicated to Professor Phan Dinh Dieu on the occasion of his 85th birth anniversary.

Professor Phan Dinh Dieu was born on June 12, 1936 in Trung Loc commune, Can Loc district, Ha Tinh province in a family with a long lasting tradition of studiousness. In 1954, after completing High School in Ha Tinh he moved to Hanoi to study mathematics at Hanoi National University of Education. He graduated with honors and became a faculty member of the University in 1957. In 1962, he was sent to Russia to be a doctoral student at the Department of Computational Mathematics and Cybernetics, Lomonosov Moscow State University. His area of research was the constructive mathematics and the foundations of mathematics. He excellently defended his PhD. and Dr. Sci dissertations in 1965 and 1967, respectively, under the guidance of the famous Russian mathematician Andrei A. Markov. His Dr. Sci. thesis was translated into the English and published in 1974 by the American Mathematical Society as a monograph entitled "Some Questions in Constructive Functional Analysis".

After returning home in 1968, Prof. Phan Dinh Dieu devoted all of his time and enthusiasm to scientific research and education activities, in particular, to the planning and development of computer science and information technology in Vietnam and has been recognized by the scientific community of the country as the field's flagship leader. He was the vice-director general of the Vietnam Institute of Science (1976-1993, now the Vietnam Academy of Science and Technology, VAST), the founder and first director of the Institute of Computer Science and Cybernetics (1976-1985, now the Institute of Information Technology

of VAST), the first President of the Vietnam Association for Information Processing (1988-1993). From 1993 until 2018 Prof. Dieu was a professor of computer science at the Vietnam National University, Hanoi.

Professor Phan Dinh Dieu had a profound strategic vision on the role and the way to develop the information technology industry. He and Professors Nguyen Dinh Ngoc, Tran Luu Chuong and some others elaborated the National Program on IT Development in 1976, making great contributions to the formulation of policies on IT development and applications in Vietnam. In the years of eighties he and Professor Hoang Tuy organized a series of seminars and conferences on the systems theory and actively promoted the application of the system approach in economic management in the country.

Not only being a computer science strategist, Prof. Phan Dinh Dieu also was an expert in the fields of constructive mathematics, mathematical logic and theoretical computer science. In 1985, he founded the Journal of Computer Science and Cybernetics and was the first Editor-in-Chief of the journal.

Prof. Phan Dinh Dieu passed away May 13, 2018. But his colleagues and all those who knew him in Viet Nam and abroad still remember him as a pioneering scientist who not only laid the foundation for computer science in Vietnam but also continuously promoted its applications for the country's development. Moreover, Prof. Dieu is always remembered and admired by many colleagues and students as an exemplary teacher, who was always interested in helping young scientists, with attractive lectures based on his very wide-ranging and erudite knowledge.

This Special Issue contains 18 independent invited review and research papers which cover different topics related to Prof. Dieu's research interests. Although the authors are solicited, the papers were reviewed according to the journal standard. The Special Issue is divided into two parts: Part A and Part B, each part contains several surveys and several research papers.

We would like to thank all the authors, as well as the reviewers for their contributions giving us the opportunity to express our respect and admiration to Prof. Phan Dinh Dieu through this Special Issue.

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