

DR NEDELJKO PAREZANOVIĆ
RETIRED UNIVERSITY PROFESSOR

Professor Parezanović was born in Ivanjica on August 25, 1932, where he attended elementary school. He graduated from high school in Belgrade and earned his B.Sc. degree in 1957 from the Department of Mechanics at the Faculty of Sciences and Mathematics in Belgrade. He presented his doctoral thesis in 1961 and earned a Ph.D. from the same faculty. From 1950 until 1957 he worked in the studio of Radio Belgrade, and after earning his B.Sc. he joined the Military-Technical Institute in Belgrade, where he worked on jobs related to construction of nomograms and application of analog computers. In 1959 he moved to the Laboratory for Applied Mathematics of the Institute of Nuclear Science “Boris Kidrič” in Vinča. It is in this Institute that he started his research related to the development and analysis of mathematical models. At that time, he used a machine for solving linear algebraic equations, the repetitive differential analyzer, and the first mainframe digital computer IBM-705 located in the Federal Bureau of Statistics. After moving to the “Mihajlo Pupin” Institute in Belgrade in 1961, he started to work on the design of digital electronic computers and development of system and application software. He took part in the development of several domestic computers as well as the “Cosmos” computers, developed in collaboration with the Institute for Automation and Telemechanics from Moscow. Within this collaboration he paid several visits to Moscow. When design of digital electronic computers is concerned, the *Conceptual project* CER-11 and the *Desktop electronic calculator* CER-30

developed in the “Mihajlo Pupin” Institute in Belgrade deserve special attention. CER-11 had been successfully used for several years in the Yugoslav Army, and CER-30 was founded on the original idea of a calculator which adopts a program (in 1963). Professor Parezanović also worked on a project for the Factory of Computing Machines in Zagreb, which resulted in the TRS 501 and TRS 511 calculator series. He started teaching in 1963, and his university career began in 1967, when he became Associate professor at the Faculty of Electronics in Niš. Since then, he has lectured on a number of graduate and post-graduate courses in several university centers (Belgrade, Zagreb, Novi Sad and Niš). Most often those courses were introductory courses in Computer Science such as *Basics of Computer Systems*, *Programming Systems*, *Programming Languages*, *Computing Machines and Programming*, *Application of Computers* and *Introduction to Cybernetics*. Since 1969 he had been the head of the Computer Center of the Institute of Mathematics in Belgrade, and at the same time he started to lecture at the Faculty of Mathematics in Belgrade. Professor Parezanović became a member of the permanent staff of this faculty in 1972, as Associate Professor, and subsequently received tenure as Professor in 1980. When the Department of Computer Science was founded at the Faculty of Mathematics in Belgrade, he became its Head. He remained at this faculty until he retired in 1997, after 46 years of active employment, 40 of them in the area of Computer Science. Within expert cooperation

professor Parezanović spent some time in the Institute for Technical Cybernetics in Moscow, the Chelsea and Imperial College in London and the Institute for Technical Cybernetics in Bratislava. Upon an invitation of the Czechoslovakian Academy of Science, he gave a lecture at the Institute for Information Theory in Prague in 1967. He is editor-in-chief of a series of publications issued by the Mathematical Institute in Belgrade entitled *Contemporary Computer Technique and its Application*. He was the founder of the journal *Computers in Science and Education (Računarstvo u nauci i obrazovanju)* published by “Nova knjiga” in Belgrade, and also its editor-in-chief. Professor Parezanović is a member of the editorial board of *Computer Science (Računarstvo)*, a journal published by the Mathematical Institute in Belgrade. He was editor of the series “Modular Library of Computer Science” published by “Nauka” in Belgrade. Professor Parezanović is the author of scientific scientific and expert papers published in journals

and in conference proceedings. He also wrote a number books and textbooks for universities and high schools. Some of his textbooks, such as the *FORTRAN IV Programming Language*, were printed in more than 20 editions. He held the leading position in 11 projects. He also acted as mentor for a number of candidates working on their expert, master and doctoral thesis. Professor Parezanović earned two prizes for the best paper presented at the ETAN conference. He was honored by a special diploma for his contribution to the development of the Center for Multidisciplinary Studies of the University of Belgrade. He also received the Plaque of the Committee for Application of Mathematical Methods and Computers in Geology, Mining and Metallurgy for spreading computer science knowledge. He is a laureate of the Gold Plaque of the Bureau for Textbooks and Educational Tools for his many years’ successful work on writing textbooks. Professor Parezanović is a member of the Scientific Society of Serbia.