Ekaterina Logvinovna Yushchenko

The Editorial board of the Computer Science Journal of Moldova, scientists of the Institute of Mathematics and Computer Science deeply mourn for the decease of corresponding member of the National Academy of Sciences of the Ukraine Ekaterina Logvinovna Yushchenko and present their condolences to her family and colleagues. Ekaterina Logvinovna passed away after the second cerebral thrombosis on August 15, 2001. Funeral rite took place in the Institute of Cybernetics on August 17.

Famous scientist-mathematician, specialist in the field of software, corresponding member of NAS Ukraine, Honoured Scientist, adviser at the director of the Glushkov Institute of Cybernetics of NASU, Ekaterina Logvinovna was born in Chigirin on December 8, 1919. E.L.Yushchenko began her scientific activity at AS of Ukrainian SSR in 1946. The first cycle of her investigations concerns probability theory and mathematical statistics, where she obtained a series of important results on local limit theorems and criteria of comparison of empiric

data. These results were applied in quantum mechanics and at present are considered as classical.

Since 1954 E.L.Yushchenko began researches in computational mathematics. For a short period of time E.L.Yushchenko became one of leading specialists in programming. She was the first in USSR doctor of physico-mathematical sciences to whom this degree was conferred for works on programming. In early 50-ties she founded and supervised scientific school of programming, which since early 70-ties, with broadening of themes, gave birth to independent schools supervised by E.L.Yushchenko's disciples - academician of NAS Ukraine I.V. Sergienko, corr.-member of Russian AS and NAS Ukraine A.A.Stogni, corr.-member of NAS Ukraine V.N.Red'ko, Prof. I.V.Vel'bitski.

An important stage of her scientific activity are the investigations related to the concept of "address programming". E.L.Yushchenko proposed one of the first in the world programming language - Address language, whose constructions are part of modern languages as classical structures. Proposed by E.L.Yushchenko, ideas of automation of the translators constructing process and the concept of systems parametrization were further developed in works of her disciples and became separate directions of theory and technology of programming, gaining world recognition.

Under E.L.Yushchenko supervision and with her direct participation, a series of instrumental-technological complexes was created. For her pioneering works in this domain E.L.Yushchenko was awarded two State Prizes of the Ukraine and the Prize of the Council of Ministers of USSR, and for her theoretical results on Computer algebra she was awarded Glushkov Prize. The Ukraine highly appreciated services of E.L.Yushchenko and awarded her the Order of Princess Olga.

E.L.Yushchenko is the author of over 200 scientific works, including 23 monographs and textbooks, 5 author certificates. Part of these works had two-three editions and was translated abroad - in Germany, Czeches, Hungary, France, Denmark, etc.

Ekaterina Logvinovna gave much efforts to training young scientists. 45 candidates and 11 doctors of sciences are among her disciples. Together with the research and scientific-organizing work

E.L.Yushchenko carried out active public work at the Institute of Cybernetics being a member of Editorial Boards of journals "Cybernetics and system analysis" and "Problems of programming".

With her direct participation and active support, the school of theory and practice of programming in Moldova arose and developed. 9 dissertations of Moldavian researchers in the field of Computer Science appeared due to E.L.Yushchenko: scientific seminars at the department she headed, her being referee of candidate dissertations, her department being refereeing organization. In April 2001 Ekaterina Logvinovna was elected Honoured Academician of the Academy of Sciences of the Republic of Moldova.

Since the foundation of Computer Science Journal of Moldova she was a member of its Editorial board, her knowledge, experience and authority contributed to its making.

Memory of excellent human being, outstanding scientist, active science organizer, her works will always remain with us and will help us to continue cause of her life.