Biography

Mark Sh. Levin was born on June 3, 1948 in Moscow (Russia) to Jewish parents. His father Shmuil M. Levin (1904-1963, born in Lubavicha near Smolensk) was an engineer (geodesy, land planning/allocation problems), his mother Revekka M. Levina (maiden name: Bahnova, 1910-1992, born in Kakhovka near Kherson) was a chemical engineer (sugar manufacturing, rubber manufacturing, inorganic chemistry, lecturing). Levin has Russian and Israeli (since 1990) citizenship.

During his childhood (concurrently with his school learning) he was participating in a special children and teenagers activities to study Engineering (mechanics and electronics, Central All-Russian Station for Children Technical Creativity, 1958-1965) and Mathematics (Lomonosov Moscow State University, 1963-1965).

He earned a MS degree in Radio Engineering from Moscow Technical University of Communications and Informatics (1970), a MS degree in Mathematics from Lomonosov Moscow State University (1975), a PhD degree in system analysis (Engineering&CS) from Russian Academy of Sciences (1982). Prof. David B. Yudin (optimization and applications, 1982 Fulkerson Prize) was his PhD advisor in Moscow State University (PhD program in mathematics and computers in management, 1977-1981, Faculty of Economics). In 1970-1973 Levin studied Philosophy as well.

Since 1970 he was as an engineer/senior engineer/head of laboratory with several design organizations (e.g., control unit for a special multidisciplinary real-time distributed applied system, DBMSs, CAM, management systems and optimization in geology, management systems in civil engineering and architecture).

Since 1983 he occupied research positions as a senior/leading research scientist (quality management in machine-building, combinatorial optimization and decision making in CAD, system testing, data processing in physical experiments, communication systems, information systems).

Since 1975 he conducted his research projects in combinatorial optimization (algorithms, models, applications, problem frameworks) and in 1982 he began to study multicriteria decision making, DSS-engineering and their applications in various domains (e.g., engineering, management, education).

Levin's teaching activities (mainly in Russia) involved (since 1974) programming, mathematics, information systems engineering, decision making, and systems engineering. His more recent course is: "System Design" in Moscow Institute of Physics and Technology (State University).

He conducted his research projects in Russia, Israel, Japan, and Canada.

Now Dr. Levin conducts his research projects in information technology, systems engineering, system design, combinatorial optimization, decision making, education. He authored several books (including more recent: "Modular System Design and Evaluation", Springer, 2015; "Composite Systems Decisions", Springer, 2006; "Combinatorial Engineering of Decomposable Systems", Springer, 1998) and many research articles in academic journals (e.g., "Applied Intelligence", "Information Fusion", "Expert Systems with Applications", "Informatica", "IEEE Transactions on SMC-Part A", "IEEE Transactions on SMC-Part C", "Concurrent Engineering: Research and Applications", "Advances in Engineering Software", "Journal of Integrated Design and Process Science", "Intelligent Manufacturing", "Automation and Remote Control", "Cybernetics and Systems Analysis", "Engineering Cybernetics", "Journal of Communications Technology and Electronics", "Foundations of Computing and Decision Sciences", "Computers in Biology and Medicine", "Computer Methods and Programs in Biomedicine", and "Journal of Technology, Policy and Management").