

Boris S. Verkhovsky



Biographical Information

Dr. Boris S. Verkhovsky is a Professor of Computer Science at the New Jersey Institute of Technology. From his prior affiliations at the Academy of Sciences of the USSR, Princeton University, IBM TJW Research Center, Bell Laboratories and now at the NJIT, he acquired vast research experience. Among his discoveries are algorithms for multi-index problems of linear programming, optimal search algorithms for extrema of multi-modal functions, constrained shortest-path algorithm, optimal control of large-scale systems under uncertainty, delinearization algorithms for various numerical problems, average complexity of divide-and-conquer algorithms etc. For the last thirty years his research interests are in optimal design and control of telecommunication networks and for the last fifteen years the research activity of Dr. Verkhovsky is in design of innovative cryptosystems.

Professor Verkhovsky is a recipient of numerous awards including the USSR Ministry of Radio-Electronics Award; the Academy of Sciences of the USSR Award; Alvin Johnson Award; Millennium Award and Medal of Excellence. Verkhovsky was Wallace Eckert Scientist at the IBM Research, Associate Professor at Princeton University, Member of Technical Staff at Bell Labs and held Charles Dana Endowed Chair Professorship. In 2003 he received Blasé Pascal Medal in Computer Science and was elected as a Fellow of European Academy of Science (EAS). In 2002-2004 Professor Verkhovsky served as a Governor of the EAS and in 2004-2006 as a VP of that Academy; in 2004-2005 he has been the Chairman of the EAS Committee nominating candidates for Nobel Prize. Dr. Verkhovsky is listed in Marquis Who'sWho in America.