BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors

NAME	POSITION TITLE
Valery Kostenko	Senior Research Fellow
Institutional affiliation Lomonosov Moscow State University, Faculty of Computational Mathematics and Cybernetics (CMC), Moscow, Russia	

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	MM/YY	FIELD OF STUDY
Taganrog RadioTechnical Institute, USSR	Specialist	1984	Computer Systems
Taganrog RadioTechnical Institute, USSR	Ph.D. student	1988	Electronic computer systems, complexes and networks

B. Positions and Honors

Positions:

Since 1996	Lomonosov Moscow State University, CMC Faculty, Computer Systems Lab. (CSL), Senior Research Fellow
1989 - 1996	Moscow Acoustic Institute (AKIN), Senior Research Fellow
1988 -1989	Taganrog RadioTechnical Institute, Research Fellow

C. Selected Peer-reviewed Publications

1. Balashov V.V., Balakhanov V.A., Kostenko V.A., Smeliansky R.L., Kokarev V.A., Shestov P.E. A technology for scheduling of data exchange over bus with centralized control in onboard avionics systems. Proc. Institute of Mechanical Engineering, Part G: Journal of Aerospace Engineering. – 2010. – Vol. 224, No. 9. – P. 993–1004.
2. D. Kovalenko, V. Kostenko A Genetic Algorithm for Construction of Recognizers of Anomalies in Behaviour of Dynamical Systems. Proceedings of the IEEE Fifth International Conference on Bio-Inspired Computing: Theories and Applications, IEEE Press, China. 2010. - pp.258-263.
3. A.V. Kalashnikov and V. A. Kostenko. A Parallel Algorithm of Simulated Annealing for Multiprocessor Scheduling. Journal of Computer and Systems Sciences International. Vol. 47, No. 3, 2008, pp.455-463.
4. V. A. Kostenko and E. S. Gury'anov.An Algorithm for Scheduling Exchanges over a Bus with Centralized Control and an Analysis of Its Efficiency. Programming and Computer Software, Vol. 31, No. 6, 2005, pp. 340–346.
5. Kostenko V.A., Vinokurov A.V. Locally Optimal Algorithms for Schedule Construction based on Hopfield Networks., Programming and Computer Software, 2003., Vol.4. - pp. 27-40.
6. Kostenko V.A. Problems in Development of Iterative Scheduling Algorithms that can Identify Required Amount of Resources and its Characteristics. Artificial Intelligence (Donetsk), 2002, Vol 2, pp.141-150.(In Russian)
7. Kostenko V.A. The Problem of Schedule Construction in the Joint Design of Hardware and Software. Programming and Computer Software, Vol. 28, No. 3, 2002, pp. 162–173.
8. Kostenko V.A., Smeliansky R.L., and Trekin A.G. Synthesizing Structures of Real-Time Computer Systems Using Genetic Algorithms. Programming and Computer Software, Vol. 26, No. 5, 2000, pp. 281-288.

D. Research Support

Project/Institute Name	Description	Responsibility
Integrated Development Environment and Methodology for Complex Behavioral Analysis of Real-Time Distributed Systems	The project is devoted to the design and development of the software system which is intended for the description of on board network system's software and hardware structure and behavior; simulation, behavior visualization, performance analysis; verification of logical behavior properties by means of model checking	Researcher, Developer
Tools for Monitoring of Data Exchange in Real-Time Avionics Systems.	The project is devoted to development of a toolset for monitoring of data exchange through onboard channels of real-time avionics (RTA) systems. The toolset is applicable to different stages of RTA system development, from purely-software simulation to field testing. It is applied in practice to development and testing of aircraft RTA systems.	Researcher, Developer
Parametric Flock of Algorithms for Recognition of Phase Trajectory Segments of Dynamic Systems	The project is devoted to development and implementation of a parametric flock of algorithms for recognition of nonlinearly contorted segments of phase trajectories of dynamic systems and methods of training such algorithms on trajectories of a dynamic system. The parametric flock of algorithms is intended for recognition of abnormal behavior of dynamic systems.	Researcher, Developer
RFFI 07-01-00237 Development of novel methods and tools for analysis of distributed computer system operation through integration of simulation methods and tools with scheduling and optimization methods and tools.	The goals: to develop algorithms for data exchange scheduling on the real-time multiplexed bus; to establish a software toolset for automation of data communication scheduling during stepwise design of a real-time system.	Researcher, Developer