

Viktor Getmanov

Education:

Moscow Engineering Physics Institute, 1968.

Scientific research interests:

Methods of digital processing and analysis of series of geophysical data, digital signal processing for complex systems, optimization techniques and management, systems analysis and analysis of statistical data.

Research and appointments:

- In 1962–1968 studied in the Moscow Engineering Physics Institute, faculty “Computer engineering and automation”, diploma in computer science;
- 1967–1982 — work at the State Research Institute of Automatic Systems (GosNIAS) as engineer, researcher;
- In 1974 V. Getmanov received his Ph.D. degree in engineering science;
- Senior researcher since 1978. During his work at GosNIAS he was dealing with tasks of information processing and optimal control of the specific aircraft systems;
- In 1982–1998 senior and leading researcher at the Research Institute for Machine Science named after A. A. Blagonravov of the Russian Academy of Sciences (IMASH);
- In 1992 V. Getmanov received his Dr. Sc. degree in engineering. During his work at IMASH he was dealing with tasks of digital measuring transient waveforms for complex mechanical systems;
- In 1998–2007 head of chair at the Moscow State Technological University, lecturing in automation of refrigeration systems;
- In 2001 he got the rank of professor, teaching students at different institutions;
- In 1977–1982 he delivered lectures on “Optimization Techniques”, “Design of Experiments”, “Simulation” at the Moscow Aviation Institute, the Institute of Advanced Training of the Ministry of Aviation;
- From 1993 to the present time he works as part-time professor at the Moscow Engineering Physics Institute, chair “Informatics and Control”; lectures on “Digital Signal Processing”;
- In 2008 — 2011 part-time professor at the Moscow State Pedagogical University; delivered lectures on informatics and applied mathematics; in March 2011 started his work at GC RAS as principal researcher, in 2012 — deputy director for science, in 2014 — principal researcher;

- Since 2011 to the present time he works as part-time principal researcher at the Schmidt Institute of Physics of the Earth. Member of the doctoral councils of IPE D212.130.03 and D.212.130.09, specialty 05.13.01 “System analysis, information processing and management”. Permanent member of the Technical Committee for Standardization TK 101 “Metrological assurance of measurements of physical fields in near-Earth space, the magnetosphere, ionosphere and atmosphere” and TK-183 “Vibration, shock, and technical inspection”, the Federal Agency for Technical Regulation and Metrology.

Publications:

157 works, including 5 inventions and patents, 6 books. In the period 2010 — 2014 V. Getmanov published 45 works, including 20 articles in peer-reviewed magazines and two books (2010–2011). His main scientific interests include methods of digital processing and analysis of series of geophysical data, digital signal processing for complex systems, optimization techniques and management, systems analysis and analysis of statistical data.