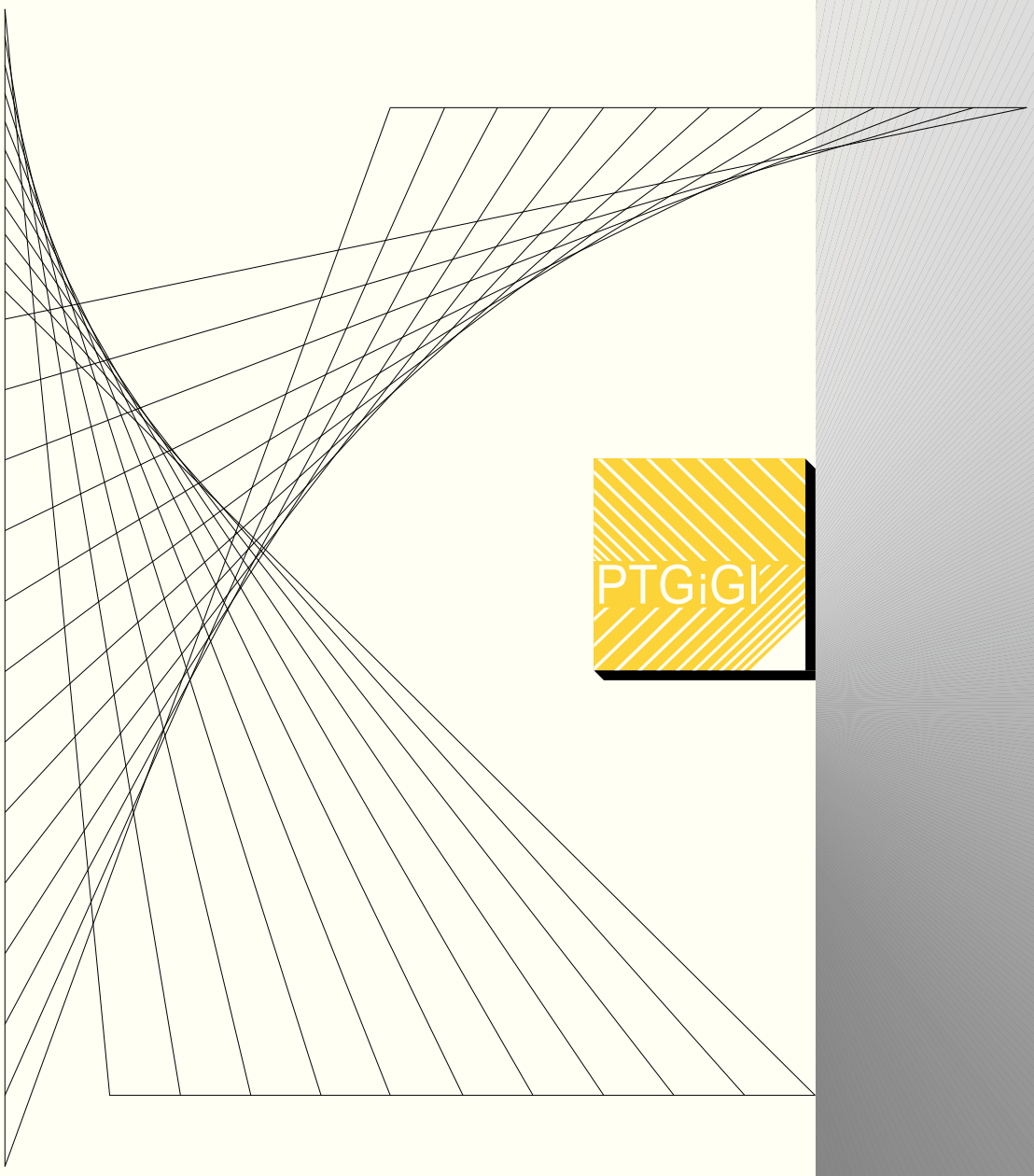
THE JOURNAL BIULETYN OF POLISH SOCIETY FOR GEOMETRY AND ENGINEERING GRAPHICS



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PROFESSOR VLADIMIR YAKOVLEVICH VOLKOV(1939-2016)

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On January 31, 2016, at the age 77, died a famous scientist and a wonderful person, Professor Vladimir Yakovlevich Volkov. Professor Vladimir Volkov was the member of editorial board of The Journal Biuletyn of Polish Society for Geometry and Engineering Graphics.

A kind, helpful, highly intelligent, unique person, a specialist of the highest level. He was a doctor of technical sciences, professor, teacher, colleague, the founder of the Russian scientific school multidimensional enumerative geometry.

Professor Volkov formulated and developed the field of research "axiomatic theory of construction of graphical models of multidimensional spaces multifactor processes and systems". He solved a number of fundamental scientific and applied problems in the field of descriptive geometry, engineering and computer graphics. The results allowed to develop a fundamentally new technology for preparation of students in graphic disciplines at technical universities. He set up a formalized mathematical apparatus calculating the geometric conditions of incidence, partial parallelism and perpendicularity. That was the basis for a multidimensional enumerative geometry. The latest outcomes served as a foundation for the creation of synthetic geometry using an axiomatic basis.

The practical results of the study of Professor Volkov associated with the development of optimization models for determining the road surfacing composition in the road construction. The analysis of multi-component systems, environmental, traditional and non-traditional methods of joining materials in light industry was made possible through Professor Volkov's theory.

He did a great work for promoting original research and theory development in the field of applied geometry. He prepared a number of lecture series on multidimensional synthetic enumerative geometry, which he gave in the departments of teacher training in different cities of Russia and abroad.

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He was creator and leader of the Russian Scientific School multidimensional enumerative geometry theory, which resulted in promoting by him in person of a group of 10 completed PhD theses, and five DSc theses. Professor Volkov and his students have been developed the theoretical geometric modeling theory based on the symbolic calculus formalization of geometric conditions.

Professor Volkov was a chairman of the Dissertation Council for awarding academic degrees of Doctor of Technical Sciences and PhD of technical sciences, in the major 05.01.01 "Engineering geometry and computer graphics". Over the three terms of office the Dissertation Council held 42 defenses of PhD and DSc theses. All decisions on awarding degrees of applicants were approved by the Higher Attestation Commission of the Russian Federation.

Professor Volkov had been working for over 50 years in the universities of the city of Omsk (Russia), giving himself to the development of original research and applied geometry theory. According to the results of research and development Vladimir Volkov published over 150 papers, monographs, textbooks, inventions, and patents. Under the editorship of Professor Volkov was published seven interuniversity collection of scientific papers.

He was awarded with the badge "Inventor of the USSR", the badge "Honorary Worker of Higher Professional Education of Russia" (1999), "Drummer 11th Five-Year Plan". Professor Volkov was a corresponding member of the Siberian Branch of the Russian Academy of Sciences of Higher School, the winner of the Soros Foundation. He was awarded on the diploma of the Ministry of Education and Science of the Russian Federation.

Vladimir Yakovlevich Volkov represented Russia in the Organizing Committee of the International Association for Geometry and Graphics. He participated in several international conferences as a member of the International Organizing Committee and Lecturer: the United States (Miami, Boston, Austin), Japan (Tokyo), France (Paris), China (Guangzhou), Poland (Krakow), Brazil (Bahia), Portugal (Lisbon), Ukraine (Kiev), South Africa (Johannesburg), Germany (Dresden), Canada (Montreal), Latvia (Riga), Austria (Innsbruck).

Vladimir Yakovlevich had always distinguished its high capacity for work, active life position, sensitivity, attentiveness. Despite serious heart disease, he had been working until the last day.

Vladimir Yakovlevich was not only a great scientist, but versatile and enthusiastic person. He was engaged in gardening, jewelry cuttings planted fruit trees, grapes bred in Siberia. And he kept bees and treated all his honey.

Memory of Vladimir Yakovlevich will remain forever in our hearts, not only as a great scientist, teacher, but also as generous, responsive person with this real Siberian nature.