IN MEMORIAM

In Memory of Professor Nikolai Vladimirovich Umnov

(1936–2010)

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Russian science as a whole and the theory of machines and mechanisms in particular suffered a heavy loss. One of the oldest workers from the Blagonravov Institute of Engineering Science, the head of the machinery dynamics laboratory, and a doctor of technical sciences, professor Nikolai Vladimirovich Umnov, died in December 2010 after a short, difficult illness.

After coming to I.I. Artobolevskii's laboratory at the institute in 1963, N.V. Umnov traveled the path from a post-graduate student and senior researcher to the head of the laboratory, doctor of technical sciences, professor, scientific supervisor of a number of new and promising students in engineering science fields who piously and solicitously kept the traditions and heritage of the founders of machinery science. His highest qualification and wide erudition brought him honored renown in the field of synthesis, dynamics, and balancing of multilink high-class leverages, and dynamics of plants with a variator.

N.V. Umnov is among the founders of the theory of legged machines; he developed several principally new schemes of mechanisms for movers of legged machines and studied the dynamic behavior of a walking object on the ground. The approaches and methods offered by N.V. Umnov are successfully applied in many scientific, teaching, and production organizations of the country. He published more than a hundred of scientific works.

During 27 years, N.V. Umnov successfully combined the work at the institute with teaching a course of the theory of machines and mechanisms at the Bauman MHTS, and work at the scientific-methodical council for the theory of machines and mechanisms.

The scientific–organizational activity of Nikolai Vladimirovich Umnov as a permanent member and deputy chairman of the Dissertation Council and director and member of the Organizational Committees of many conferences and symposiums on the problems of machinery mechanics won him due respect and authority in wide scientific circles. In recent years, N.V. Umnov was the chairman of the Russian National Committee for the TMM of the International Federation for the Theory of Machines and Mechanisms (IFTToMM) based by I.I. Artobolevskii.

The memory of N.V. Umnov, who was an amazingly modest, tactful, bright, kind, and highly professional man, will forever remain in the memory of friends and colleagues who were lucky to know him and work with him.

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