

## CONGRATULATIONS TO SERGEI LEONIDOVICH CHERNYSHEV ON HIS 60th BIRTHDAY!

May 15, 2015, marked the 60th birthday of Sergei Leonidovich Chernyshev, Corresponding Member of the Russian Academy of Sciences, Executive Director of TsAGI.

Dr. Chernyshev began his scientific activity in 1978, when he came to work at TsAGI on graduation with honors from the Department of Aeromechanics and Flying Engineering, Moscow Institute of Physics and Technology (MIPT). For a long time he studied the problems associated with the development of the second-generation supersonic passenger aircraft. The studies of Dr. Chernyshev formed the basis of his doctoral thesis, resulting further in the development of the sonic boom theory and the methods of sonic boom calculation and minimization. The influence of the aircraft shape, mode of flight, and state of the atmosphere on the sonic boom was studied; new configurations of supersonic aircraft combining high aerodynamic efficiency and low sonic boom on the ground were developed. In addition, Dr. Chernyshev performed a number of studies of flow control using an active and natural laminarization, development of perspective designs of aircraft with a high degree of integration and aerodynamic perfection, and the development of the experimental base.

In 2011 he was elected a Corresponding Member of the Russian Academy of Sciences. Currently, Dr. Chernyshev carries out scientific management of TsAGI complex investigations to create new-generation subsonic, supersonic, and hypersonic aircraft, objects of space engineering, perspective aircraft with scramjet engine.

Sergey Leonidovich skillfully combines thorough research with top management. Since 1998, he held the position of Deputy Director of TsAGI on International Cooperation and developed contacts with foreign companies. In 2007, Dr. Chernyshev was appointed Director of TsAGI, and since 2009, he is Executive Director of the Research Institute. He is also Vice-President of the European Council on Aerospace Science and a Member of the International Committee of the Professional Aerospace Association AIAA. The problems of maintaining and enhancing the international cooperation, fulfilling the international contracts and collaboration of TsAGI with experimental design offices on improvement of civil and military aircraft, developing and creating the next generation aircraft are in the center of Dr. Chernyshev's attention.

As Editor-in-Chief of *TsAGI Science Journal*, Sergei Leonidovich pays much attention to the quality and timeliness of publications, promotes international status and reputation of the Journal.

One of the important directions of his activity is preparation of young scientists; Dr. Chernyshev fulfils it as Scientific Director and a Member of the Board of Trustees of the Department of Aeromechanics and Flight Engineering of MIPT, he is the head of the chair "Flight Physics".

The managing and scientific activities of Dr. Chernyshev earned international recognition and high appreciation. He was awarded the Order "For Merit to the Fatherland" in 1998, the Order of Friendship in 2011, the National Order of the Republic of France "For Merit" in 2011; he was awarded an honorary international award "Laurels" in 2001, the State Award of Russian Federation in the field of science and technology in 2013, the N. E. Zhukovsky Award in 2014 for the textbook on aviation sciences, the Academician G. I. Petrov Award for outstanding work in the theory of hydrodynamic stability and turbulence in 2014.

The editorial board and scientists of TsAGI warmly congratulate Sergey Leonidovich on his birthday and wish him good health and new successes in his multifaceted activities for the benefit of the institute and native aviation.

Members of the Editorial Board of the TsAGI Science Journal.