PROFESSOR ALEKSEY KUZMICH REBROV ON HIS 85TH BIRTHDAY

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Professor Aleksey K. Rebrov was born on July 30, 1933, in Ukraine, and through his extensive professional career he became one of the best-known and respected researchers in the field of rarefied gas dynamics (RGD). This multidisciplinary field encompasses mathematics, mechanics, molecular and atomic physics, and computer simulation techniques. At 22 years of age, Rebrov obtained his undergraduate degree with honors from Charkov Aviation Institute. After graduation, he worked as a researcher in jet piercing. Later, he finished his postgraduate studies at Kazan Aviation Institute in the early 1960s. His thesis topic was related to free convection in a rarefied gas. Subsequently, he worked at Kutateladze Institute of Thermophysics of the Siberian Branch of the Russian Academy of Sciences, Novosibirsk.

In Honor of Professor Aleksey K. Rebrov on the Occasion of his 80th birthday, a paper was published by the Editorial Board of *Thermophysics and Aeromechanics* in December 2013 (Springer, 2013). Following his 80th birthday, Professor Aleksey K. Rebrov did not show any evidence of slowing down and was very active in pursuing his research interests. Presently, his research interests are mainly related to gas-jet deposition of diamond-like structures. He continued to co-author a large number of papers with his collaborators, which have been published in leading international conferences and journals (Andreev et al., 2014, 2015; Emel'yanov et al., 2014a,b, 2016, 2017; Fedoseeva et al., 2018; Morozov et al., 2016; Plotnikov et al., 2017; Rebrov, 2017a,b, 2018; Rebrov et al., 2015a,b, 2016, 2017a,b, 2018a,b,c; Rebrov and Yudin, 2015, 2016a,b).

Professor Aleksey K. Rebrov was invited as a keynote speaker at several international events. For example, he was invited to give the Lloyd Thomas Lecture on nanostructure synthesis from high velocity gas mixture flows at the 29th International Symposium on Rarefied Gas Dynamics (RGD 29), Xi'an, China, July 13–18, 2014 (Rebrov, 2014). Also, he was one of the keynote speakers at the 2nd International School of Young Scientists Conference on Interfacial Phenomena and Heat Transfer, Novosibirsk, Russia, September 11–16, 2017 (Kutateladze Institute of Thermophysics, 2017). His talk was about gas jet deposition of diamond from high velocity gas flows. Professor Aleksey K. Rebrov was a member of the International Advisory Committee from 1972 until the last symposium in 2018, i.e., the 31st International Symposium on Rarefied Gas Dynamics (RGD 31), at the Technology and Innovation Centre, University of Strathclyde, Glasgow, U.K., July 23–27, 2018 (University of Strathclyde, 2018).

In honor of Professor Aleksey K. Rebrov on the occasion of his 85th birthday, the All-Russian Conference XXXIV Siberian Thermophysical Seminar (STS34) (Kutateladze Institute of Thermophysics, 2018) was organized. STS34 was held at Kutateladze Institute of Thermophysics SB RAS, Novosibirsk, Russia, on August 27–30, 2018. STS34 chairs were Professors D.M. Markovich and A.N. Pavlenko. The number of researchers at STS34 was 203 persons from 11 Russian cities, including young members. There were 20 invited lectures and 12 keynote lectures. The 12 speakers at these keynote lectures were Professors A.K. Rebrov, S.V. Alexeenko, N.M. Bulgakova, S.F. Chekmarev, I.V. Egorov, V.M. Fomin, E.A. Kolubaev, A.M. Krivtsov, G.V. Kuznetsov, S.A. Novopashin, M.R. Predtechensky, and V.Ya. Rudyak. STS34 had 35 poster presentations and 162 oral presentations. The STS34 proceedings were published in the *Journal of Physics: Conference Series*, volume 1105, November 2018 (IOPscience, 2018).

On the occasion of his 85th birthday, on behalf of the *Interfacial Phenomena and Heat Transfer* Journal Editorial Board, his colleagues, friends, and students all over the world, we wish Professor Aleksey K. Rebrov a continuous active life, much happiness, and good health, and a very happy birthday!

A.K. Rebrov

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