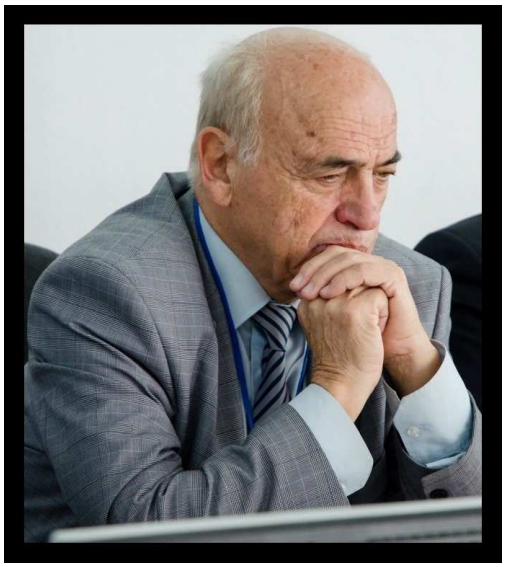
# Prof. Hristo Kirilov Radev, DSc.
# (November 15, 1940 – June 09, 2020)



Prof. Hristo Radev was Doctor of Technical Sciences, the ideological inspirer, permanent and excellent organizer of the annual International Scientific Symposium "Metrology and Metrology Assurance" (Sozopol, Bulgaria), founder and scientific supervisor of the Research and Development Laboratory "Coordinate measurements in Mechanical Engineering", president and long-term chairman of the Union of metrologists in Bulgaria, president of the Bulgarian Academical Association of Metrology, professor at Technical University of Sofia and honorary lecturer at South Ural State University, member of the General Council of IMEKO, foreign member of the Russian Metrological Academy, academician at the Academy of metrology in Ukraine, foreign member of the Engineering Academy of Ukraine and great friend and partner of VNIIM named after D.I. Mendeleev.

Prof. Hristo Radev made a great contribution to the development of world science. The main directions of his research were metrology and metrological support, measuring instruments for measuring geometric values, quality management. Prof. Hristo Radev is well known in the metrology community in Bulgaria and abroad for his scientific potential, creative achievements and professionalism. His creative activity is universal, since he was well-known lecturer and author of a large number of scientific works, scientific, research and development projects, applied developments, patents, papers, books and handbooks dedicated to topical issues of metrology in engineering and measurements in mechanical engineering. More precisely, Prof. Hristo Radev is the author of over 100 articles and scientific reports, as well as 6 textbooks and study guides, 23 inventions, 3 patents in the USA, France, England and Germany. For many metrologists, Prof. Hristo Radev will remain in memory as one of the main ideologists and compilers of the detailed three-volume reference book "Metrology and metrological support", since he managed to prepare the book by inviting enthusiasts from a number of countries and achieved publication of the book in Bulgaria and Russia.

His professionalism and energy have been reflected in the practical and scientific teaching of many students. In particular, Prof. Hristo Radev has been a sensitive mentor, favorite teacher and supervisor of over 10 PhD students and has been honored by Technical University of Sofia with golden medal for his work as a lecturer and researcher.

As noted by his colleagues, the main success of his professional life was the association of metrologists from the countries of the former Socialist camp. Prof. Hristo Radev was

characterized by love for Russia (he graduated from Moscow Machine-Tool Institute) and Russian language. The number of Russian participants in the International Scientific Symposium "Metrology and Metrology Assurance" has grown from year to year due to the fact that Prof. Hristo Radev had a strong relationship with Russia, in particular, he actively cooperated with South Ural State University. Thanks to efforts of Prof. Hristo Radev, the International Scientific Symposium "Metrology and Metrology Assurance" reached new scientific heights and received international acknowledgement. Prof. Hristo Radev managed to provide a special friendly and discussion atmosphere of the symposium, to expand the scope topics, attract many extraordinary colleagues to participate.

International, Bulgarian and Russian metrology has lost a professional of the highest competence, a bright, wonderful, talented and wise person, an outstanding scientist and mentor, a heuristic engineer. Prof. Hristo Radev will be remembered for his inexhaustible enthusiasm and broad erudition both in the field of science and in general cultural terms, desire and ability to find solutions to complex problems. Friends and colleagues will remember his sense of humor, the ability to joke, if necessary, defuse the situation. Everyone who knew him personally remembers friendly and creative atmosphere that Prof. Hristo Radev was able to create around himself.

Prof. Hristo Radev was professor of Department of "Technologies of Automated Mechanical Engineering" at South Ural State University and gave lecture courses. In 2014, the publishing center of South Ural State University published his famous three-volume reference book "Metrology and Measuring Technique" in Russian. This book was awarded the Diploma of the VII All-Russian Competition of Universities "University Book – 2015" (Moscow) in the nomination "Best Translated Edition". Prof. Hristo Radev was a member of editorial council of the journals "Bulletin of the South Ural State University. Series: Mathematical Modelling, Programming & Computer Software" and "Journal of Computational and Engineering Mathematics" published by South Ural State University. The staff of South Ural State University headed by A.L. Shestakov shares with Bulgarian and foreign comrades the pain of loss, shares in grief and expresses condolences to the family and relatives of Prof. Hristo Radev. This is a great loss for world science, especially for Bulgarian and international metrology. Prof. Hristo Radev will remain in our memory for a long time and memories of him warm our hearts. His students, friends and colleagues will continue his work.

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