

Farewell to Igor Isayev



In this communication we would like to say several words about Dr. Igor Isayev, our good friend, colleague, student, and teacher. It is hard to bear such bereavement. Dr. Igor Isayev passed away on 5 July 2009 after a long illness, aged only 39 years.

Igor Isayev received the M. Sc. degree in mathematics from the Lviv National University and the Ph. D. in mathematical modeling and numerical methods from the Pidstryhach Institute of Applied Problems of Mechanics and Mathematics in 1992 and 1998, respectively. Dr. Isayev joined the IEEE in 2001 as a member of the IEEE Electron Devices Society. In two years, he joined the IEEE Signal Processing Society, corresponding to his new scientific interest, and has published several papers in the IEEE Transactions on Signal Processing. Since 2006, he served the IEEE

MTT/ED/AP/CPMT/SSC West Ukraine Chapter as the Chapter Chairman.

Igor paid a considerable attention to the development and spreading of the IEEE institutions in the Western Ukraine, particularly, in the city of Lviv. Thanks to his efforts, the Lviv Polytechnic National University (LPNU) Student Branch ED-S Chapter was established, and the LPNU Women in Engineering Affinity Group was organized and started its activity.

On a large scale, Igor focused his attention on cooperation of the IEEE West Ukraine Joint Chapter with other scientific and public institutions of Lviv. Such initiatives of the young scientists as Carpathian Tram, the joint USA-Ukraine public organization “Zonta”, etc. found his energetic support and comprehension.

His scientific interests covered a wide range of the research areas: stochastic analysis of probability systems, investigation of stochastic processes in systems of various physical nature, problems of electromagnetic field reconstruction, and non-stationary signals and processes in application to the non-destructive testing control. Igor was involved in the international scientific community. He has been cooperated with the scientists from several countries. In 2004-2005, he joined the Mathematics and Mathematical Statistic Faculty in Cambridge University, UK, as an invited researcher within the framework of the Royal Society/NATO Post-Doctoral Fellowship Program; and in 2008, he joined the Universitete de Rennes, Renn, France, as a visiting lecturer.



Fig. 1. Igor (from right) with colleagues during the Cambridge period.

In recent time, Igor was the head of a scientific group that investigated the vibratory-diagnostic signals at the Department of Selection and Processing of the Stochastic Signals, the Karpenko Physico-Mechanical Institute, National Academy of Sciences of Ukraine. At his close

collaboration, the new methodic for diagnostic of bearing nodes, based on the properties of accidental constituent of vibratory signal, was elaborated. This methodic was introduced on the experimental setup, as well as on the turbogenerator VK-100-6 at the Dobrotvir Thermolectric Power Station (TPS), Western Ukraine. He was a group manager, theoretical scientist and a practical engineer at the same time.



Fig. 2. Igor (from left) before the experiments at the Dobrotvir TPS.

Dr. Igor Isayev twice obtained the NATO scientific Grant for the East Europe Countries; he was recipient of the Ukrainian President Award for the Young Scientists.



*Fig. 3. Igor (from left) gives a report on the Complex Program of the NASU "RESURS".
Academicians B. Paton (in centre) and Z. Nazarchuk (from right).*

Igor has accomplished a lot. He made much, but still more he did not have time. Igor will be remembered as our good friend, very sincere and well-wishing person, as well as the energetic volunteer of the IEEE West Ukraine Joint Chapter, IEEE LPNU Student Branch, ED-S Student Branch Chapter, and Women in Engineering Affinity Group.

Friends and colleagues from Lviv