Foreword about Miroslaw Luft, Head of the Department of Automatic Control and Measurement Engineering at the Faculty of Transport and Electrical Engineering, Kazimierz Pulaski University of Technology and Humanities in Radom, Poland:

Miroslaw Luft

Miroslaw Luft was born in 1947 in Radom (Poland). Master's degree with a specialization in industrial automation he graduated in 1972 at the Faculty of Fine Mechanics of Warsaw University of Technology. Immediately after graduation he took a job at the Lucznik Arms Factory in Radom as a design engineer. In 1973 he moved to work at the Faculty of Transport in Kielce-Radom Extramural School of Engineering (from 1996 – Kazimierz Pulaski Technical University of Radom and from 2012 – Kazimierz Pułaski University of Technology and Humanities in Radom). Miroslaw Luft received PhD degree in 1979 (Warsaw University of Technology, Warsaw, Poland) and post-doctoral degree in 2001 (Moscow State University of Railway Engineering, Moscow, Russia). Since 2002, he is the associate professor in the Kazimierz Pulaski University of Technology in Radom. In 2009 he received the title of professor, also in the same year he was appointed by the Minister of Science and Higher Education for the position of full professor at the Kazimierz Pulaski University of Technology in Radom. In 2006, he was awarded title of Honorary Doctor (Doctor Honoris Causa) of the Moscow State University of Railway Engineering (MIIT) (Ru). During more than 40 years work activities at the Kazimierz Pulaski University of Technology and Humanities in Radom Miroslaw Luft served many important functions. In 1990 he was elected to the position of Vice-Rector for Teaching and Student for the term 1990-1993, and in 1993 - back to the period 1993-1996. In August of 1996 was elected as a Dean of the Faculty of Transport at Kazimierz Pulaski Technical University of Radom on the years 1996-1999, and again for a second term 1999-2002. In 2002-2005 he served position as Vice-Rector for the development of staff and cooperation with foreign countries at the Kazimierz Pulaski Technical University of Radom. In April 2005 he was elected as a Rector for the term 2005-2008 and again in 2008 for the term 2008-2012. Miroslaw Luft currently serves as Vice-Rector for Teaching and Students for the term 2012-2016 at the Kazimierz Pulaski University of Technology and Humanities in Radom. He is a head of the Department of Automatic Control and Measurement Engineering, Institute of Automation and Telematics at the Faculty of Transport and Electrical Engineering.

His mainly area of scientific activity includes an analysis of the properties and methods of measuring transducer design for diagnosing means of transport, with particular emphasis on computer-aided design process. Miroslaw Luft is the author of over 160 scientific papers published in scientific publications of Polish, Russian Federation, Germany, Slovakia, Lithuania, Latvia and Hungary. He has written and co-written twelve textbooks, collections of lectures, and books on automation. He is Member of Scientific Committees of two international conferences organized by Faculty of Transport and Electrical Engineering, Kazimierz Pulaski University of Technology and Humanities in Radom: TransComp (Zakopane – December, each year) and LogiTrans (Szczyrk – April, each year). Miroslaw Luft is a Member of the Presiding Board, Transport Committee, Polish Academy of Sciences, chairman of the Section of Traffic Control in Transport. Member of the Programme Board, 'Archive of Transport' quarterly of Polish Academy of Sciences. President of the Polish National Monitoring Committee for FEANI Register. Full member of Engineering Academy in Poland and Honorary Member Busines Center Club, Poland. Since 2010, a member of the Slovak Republic National Commission for Accreditation of Higher Education.

Dear Readers,

My scientific research activities concentrates on areas, related to: design and testing of intelligent control systems; computer-aided design of measuring transducers with analysis of properties; computer-aided design of transducers; simulation testing of dynamic properties of automatic elements and applications of fractional calculus in analysis of dynamic measurements. I have a fruitful cooperation with University of Zilina (Sk), University of Antwerp (Be), Moscow State University of Railway Engineering (MIIT) (Ru), Kaunas University of Technology (Lt), Riga University of Technology (Lv) in attitude to implement projects commissioned by Polish Scientific and University Education Ministry, Ministry of Transport as well as supported by EU in the Frame Program. I have conducted a number of scientific research projects ordered by industrial organisations financed with grants from Scientific Research Committee chaired by the Science and University Education Minister. I will continue research work in the field of automation: extend applicability of the on-line correction algorithms to vibration measurements; on-line automatic measurements and diagnostics of railway transport means and traffic safety in transport systems. At the end, I would like to express my great respect to the Advances in Electrical and Electronic Engineering team for the work they do and to wish them a great deal of high quality papers and reviews in the future.