Foreword about Jan Kohout, head of the Department of Mathematics and Physics and the vice-dean for research at the Faculty of Military Technology, University of Defence in Brno:

Jan Kohout

Jan Kohout was born in Nove Mesto na Morave in 1952 and he returns on his loved Bohemian-Moravian Highlands very often and with great pleasure. In 1975 he graduated at the Faculty of Science, Masaryk University in Brno, in specialization Solid State Physics and here he obtained RNDr. degree five years later. In 1983 he finished postgraduate studies Numerical Methods in Engineering and in 1994 he obtained CSc. (equivalent to Ph.D.) degree in branch Physical Metallurgy and Limit States of Materials, both at Brno University of Technology. Here and at Masaryk University he taught before he connected his professional life with military university education in 1995. Before that he obtained his industrial experience at the Research Institute for Rolling Bearings in Brno and foreign experience at the Institute for Solid State Physics, Vienna University. In branch Materials Sciences and Engineering he obtained associate professorship in 2004 and full professorship in 2009. Now Prof. Kohout is the head of the Department of Mathematics and Physics and the vice-dean for research at the Faculty of Military Technology, University of Defence in Brno. He teaches basic course of physics for bachelors in English language and fundamentals of scientific work for postgraduate students. His research is focused on interrelations among mechanical properties and structure of materials and on regression of experimental dependences in materials science.

Dear readers,

Foremost I would like to express my pleasure to be nominated for the member of the Scientific International Board of Advances in Electrical and Electronic Engineering journal, which I consider to be an honour and appreciation of my professional work up to now. Although my specialization Materials Sciences and Engineering does not represent the main scientific stream in Electrical and Electronic Engineering, I hope that I am and I will be a beneficial member of the scientific board.

All the research and development was concentrated to obtain better and better materials and to design the devices with higher power, efficiency, lifetime, reliability and with lower mass, price, operating and maintenance costs. Deep study between structure and properties led to hi-tech and advanced materials with not only improved properties, but with properties made to measure. Further development including nanotechnology leads to materials with unforeseen properties as well as with fully new fields of applications, last but not least in microelectronics.

Advances in Electrical and Electronic Engineering is scientific journal with increasing worth and recognition year by year. This fact was confirmed e.g. by Scopus coverage, which means, besides others, favourably appreciated papers published in the journal by the Government Council for Research, Development and Innovations. Advances in Electrical and Electronic Engineering creates with similar journals (including Advances in Military Technology journal of our faculty) the foundation of the imaginary pyramid of scientific journals, on which top the high impact factor journals can be found but this top cannot exist without the foundation. Journals of Advances in Electrical and Electronic Engineering level play irreplaceable role above all for young and beginning scientists, who can start and develop here their publication activities and compare themselves with experienced authors.

Nearly half of our Faculty of Military Technology, where electronic systems (aerospace electrical, air defence, communication and information systems), radar technology and electrical engineering generally are taught and researched, is professionally oriented alike Advances in Electrical and Electronic Engineering. I hope that our academic workers will exploit the possibility to publish their results of scientific research in Advances in Electrical and Electronic Engineering more than up to now. Also our faculty strives to create publication possibilities (in addition to our AiMT journal it is the International Conference on Military Technologies held as accompanying scientific program of International Exhibition of Defence and Security Technologies – IDET in Brno in every odd year) but above all for papers exceeding narrow specialization in military technology it is much more valuable to be published out of own university.

In conclusion allow me to express my great credit to the Advances in Electrical and Electronic Engineering team for their exacting work and to wish them sufficiency of first-rate and interesting manuscripts and many willing, reliable, discerning and fast working reviewers.