

PROFESSOR JAN MIKOŚ – BIOGRAPHY

Professor Jan Mikoś was born on 27th of February 1930. He was studying on Silesian Technical University between 1950 and 1956, where he gained his Doctor of Technical Science degree in 1964. In 1981 he was elected the Dean of the Building Faculty. In 1983 he gained a professor degree and in 1988 he was elected the Director of the Building Technology and Organization Institute which he reorganized into the Chair of Building Processes in 1991. He has been its head since then. He is also the Head of The Basis of Ecological Building Institute.

Professor Jan Mikoś is a well-known and valued specialist in building materials production and building technology. He is also a specialist in ecological building.

In the 60-ties he has been working on the technology of ing materials of considerably high endurance and good thermic, acoustic and fire insulating value from the lightweight aggregate of low endurance such as pumice-stone. At the same time he has elaborated the method and instruction of designing properties of these materials. These works was the basis for a few original technologies and systems of building with cement materials on porous aggregate using a slide method, climbing shuttering method or industrialized one with cement and plaster pressed materials elaborated by the professor together with his team.

The results of research and inculcate works were presented on many conferences both in Poland and abroad. They were also the subject to numerous articles in professional technical magazines and caused interest of specialists (for example Japanese, who visited building-sites).

The most interesting work of Prof. Mikoś from that time is his treatise: 'Związki fizyczne struktury porowatości z cechami betonu cementowego' (Zeszyty Naukowe Politechniki Śląskiej nr 618, Gliwice 1979 r.)._This work is a scientific base for the structural theory of concrete and its properties forming. It is using material and process engineering. Physical not statistical relationship between cement materials' properties and the form of its porous structure was established in the treatise. The possibility to increase for example endurance even ten times was shown in this work much before in other researchers' ones. The best proof for innovative character of works carried out by Prof. Mikoś and his teams are 35 patents both Polish and foreign ones.

Prof. Mikoś is an author and co-author of a few hundreds of publications and research works as well as a few monographs and handbooks.

To mention only one, first published in 1996 monograph (academic handbook) „Budownictwo ekologiczne” (‘Ecological Building’), which is a result of studies and research works carried out by professor and his team from 1986 to 1990. „Budownictwo ekologiczne” (‘Ecological Building’) contains not only the discussion of today already waist knowledge about the subject but it has also a new complex expression and technological approach. The second edition is just being printed in the Silesian Technical University Publishing House.

Prof. Mikoś has organized a permanent exposition and specialists didactic room considering ecological building. He initiated and supported establishing of two research posts considering ecological building: for material and elements endurance examination and for examination of thermic efficiency of collectors and solar-active walls. Lots of research has been done on these posts and their results are on professor’s attainments list.

Prof. Mikoś is a promoter and reviewer of a great number of doctor’s theses, a protector of two habilitations, and he has written lots of opinions to scientific degree.

Several times was the president of national conferences. He has been a member of numerous Sections and Commissions of Polish Academy of Science Land and Water Engineering Committee. Prof. Mikoś is a member of ISES - International Solar Energy Society