



**Full Professor of the Cracow University of Technology
Doctor Honoris Causa Zbigniew Piasek**

Professor's professional career

Since 1975 he has been employed at the Institute of Geotechnics of the Cracow University of Technology. He held the post of the scientific-research director of the Institute of Geotechnics and he was the head the interdisciplinary Department of Geotechnical Engineering, Geology and Land Protection. He defended his doctoral dissertation with honors in 1979 at the Faculty of Hydroengineering of the Cracow University of Technology. For the dissertation he received an individual prize of the Ministry of Science. In the years 1989-1993 received the scholarship from the Ministry of Education to carry out studies abroad in the Middle East and the Russian Federation.

The habilitation dissertation he completed at the Institute of Airborne and Satellite Measurements and Cartography in Moscow. On May 5, 1993 he defended the dissertation with honors at the Senate of the Moscow State University of Geodesy and Cartography. Professor was the first scientist from Poland who received his PhD in the field of geodesy and cartography in the Russian Federation.

Professor currently holds the post of an expert (Section of Engineering and Technology) at the State Accreditation Committee Of the Ministry of Science and Higher Education.

International cooperation

Near East, 1982-1986. Professor, as an expert has developed 10 extensive expertises and scientific research reports in cooperation with the American, European and Japanese corporations. The research mainly concerned the calculation of displacements of large masses of ground with a capacity of approx. 1.5 million cubic meters in desert areas and coastal zones of Tigris River and deformations of the structures of hydraulic engineering and land constructions. In 1994 - 1996, acted as the investment advisor to the government in Public Works Department Investments, United Arab Emirates, Dubaj – Abu Dhabi.

He elaborated 11 scientific – research reports on the implementation of construction investments in coastal zones of the Persian Gulf and Indian Ocean.

Professor's Achievements

Professor is undisputed scientific authority in Poland and in Europe, in the field of mathematical description of given fragments of the Earth and non-invasive identification of underground infrastructure. His own research he published and

lectured among others in Ukraine (Lviv Polytechnic National University), Finland (Helsinki), USA, Russian Federation, Austria (Technical University Vienna), Germany, Greece, Malta, Africa and in publications of the Polish Academy of Sciences - Committee of Geodesy, Polish Academy of Learning, Archives of Civil Engineering, Reports of the Scientific Committee of the Polish Academy of Sciences Sittings and in The Works of the Scientific Research Institute of Mining at Warsaw University of Technology. Professor is the author of patents.

He published as the author or co-author over 150 scientific-technical publications, 12 publications, books and monographs, including two English-Polish publications.

Professor's research area

Digital optimization of volumes of industrial waste dumps; the mathematical description of the parts of the Earth; deformation of the embankment layers in tropical conditions and national; the environmental impact of land on the location of underground infrastructure using generators of electromagnetic waves and georadar methods.

Professor for the promotion of Polish science in the world has been appointed foreign correspondent by global research organizations and chambers of commerce among others in Miami, Florida, New York, Toronto and Canada and a foreign consultant in Boston.

Professor received gold and silver medals of technical and scientific associations among others in New York, Chicago, Philadelphia, Martin Coronado (Argentina), London, Paris, Vienna and in Melbourne (Australia) for journalistic activities promoting Polish science, including copyright multilingual reference books,. Professor's biography is cited in 12 encyclopaedic publications in US and the European Union.