

## DOCTOR HONORIS CAUSA Professor Herman ROHLING, Technical University of Hamburg

Hermann Rohling was born on December 5, 1946 in Melle, Germany. Professor Hermann Rohling is a renowned specialist in the field of telecommunications, especially in the field of signal processing and estimation and decision theory, being a personality known and recognized worldwide for his contributions in these fields.

After studying mathematics at the Technical University Stuttgart, Professor Rohling initially worked as a research assistant at AEG-Telefunken Communications Engineering Research Institute in Ulm, in the fields of digital radar signal processing, statistical decision theory and signal theory, between 1977 and 1988. During this period, he wrote his doctoral thesis entitled "Adaptive Methoden zur Zielerkennung in Pulsradargeräten mit Dopplerprozessoren" which he defended in 1983 at the Technical University of Aachen. From April 1988 he became a professor at the Technical University of Braunschweig. There he was the head of the "Department of Signal Theory for Location and Information Technology" within the Institute of Telecommunications.

Professor Rohling moved to Technical University of Hamburg-Harburg, Germany (TUHH) eleven years later. Between July 2005 and September 2011 he was Vice President for Research at this technical university.

In October 2010, he took over the presidency of the German Institute of Navigation (DGON), whose Radar Technical Committee he had led since 1995. He has been an IEEE fellow since 2006.

Professor Rohling is the co-founder of the SMS Smart Microwave

Sensors GmbH and is involved in over 30 patents.

There is a long-term collaboration between UPT and TUHH both in the field of education, through various Erasmus-Socrates programs and in the field of research. Between the Communications departments of the two technical universities there is a close relationship of collaboration materialized by: mutual support of scientific events, student exchanges, collaboration on international research contracts. This collaboration began after the 1990s and materialized through a program Tempus. The collaboration continued through the careful selection of valuable students from the Communications department of UPT in order to prepare the diploma projects and doctoral theses at TUHH. After several years of working in Professor Rohling's research team, these former students were hired by international companies based in Germany or Romania and came to lead teams of highly regarded experts in the leading fields of the electronics industry and telecommunications, some of them operating even in Timisoara. The collaboration continued through an FP 7 grant, entitled "ARTRAC Advanced Radar Tracking and Classification for Enhanced Road Safety" number 284740 FP7, carried out in 2011-2014, led by Professor Hermann Rohling. On the occasion of this grant, Professor Rohling visited UPT again, giving lectures on the use of radar sensors in cars. Also, Professor Rohling was actively involved in organizing the 2014 edition of the International Symposium on Electronics and Telecommunications (ISETc) being one of the plenary speakers of the conference.

