HONORARY MEMBERS

EVOLUTION OF HONORARY MEMBERS OF UPT 2016 - 2020

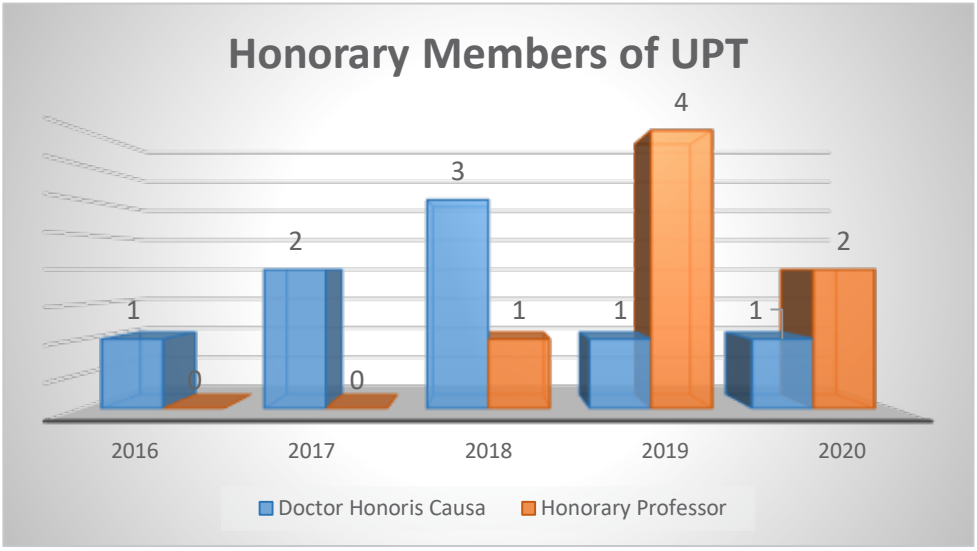
The conferring of honorary degrees is one way in which the University recognizes individuals distinguished by accomplishments consonant with the overarching mission of the University.

Nominees may be eminent scholars, scientists, artists, or professionals who have advanced their disciplines in important ways, or they may be individuals outside of the academic world who have made particularly distinguished contributions to society.

Politehnica University Timisoara recognizes scientific excellence by conferring the honorary degree of Doctor Honoris Causa and Honorary Professor to distinguished Researchers for their contribution to the development of UPT and continuous support.

The University strives for a robust pool of honorary degree recipients enriched by individuals from all backgrounds of engineering.

We also find it rewarding to honor individuals who have not already been publicly recognized by a number of other institutions.



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 Insitute 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.

HONORARY PROFESSOR
Professor Daniela RUS, MIT - Massachusetts Institute of Technology, SUA

- Professor Daniela Rus was born in 1963 in Cluj-Napoca She emigrated in the United States in the '80s, but she still holds a double citizenship Romanian and American.
- In 1993, Daniela Rus received her Ph.D. at Cornell University under the supervision of Professor John Hopcroft.
- Since 2003, prof. Daniela Rus is the "Andrew and Erna Viterbi" Professor of Electrical Engineering and Computer Science at Massachusetts Institute of Technology, Cambridge, Massachusetts, and director of the Computer Science and Artificial Intelligence Laboratory (CSAIL) since 2012. Daniela Rus is also the Deputy Dean of Research for the Schwarzman College of Computing at MIT since 2019.
- Prof. Rus is a member of the National Academy of Engineering and of the American Academy of Arts and Sciences and fellow of the Association for the Advancement of Artificial Intelligence (AAAI), fellow of the the Institute of Electrical and Electronics Engineer (IEEE), and fellow of the Association for Computing Machinery (ACM). She is also a recipient of a MacArthur Fellowship, a National Science Foundation Career award, and an Alfred P. Sloan Foundation fellowship. She is a recipient of the 2017 Engelberger Robotics Award for Education from the Robotics Industries Association.
- Her statement on the future world is described as: "I imagine a future where robots are so integrated in the fabric of human life that they become as common as smart phones are today. The field of robotics has the potential to greatly improve the quality of our lives at work, at home and at play."
- Rus' research interests include robotics, mobile computing and programmable matter. She is known for her work on self-reconfiguring robots, shape-shifting machines that have the ability to adapt to different environments by altering their internal geometric structure. They do this on their own, without remote control, for locomotion, manipulation, or sensing purposes. She has shown that these self-reconfigurable machines could be used in many situations where the possible obstacles and constraints on movement could not ever be fully anticipated in preprogrammed control software (e.g., deep sea or planetary exploration).
- Professor Daniela Rus joined UPT as a keynote speaker at conference dedicated to digital education and artificial intelligence "Human and Artificial Intelligence for the Society of the Future".

HONORARY PROFESSOR
Professor Ladislau MATEKOVITS, Politecnico di Torino University, Italy

- Ladislau MATEKOVITS was born in1967, he graduated in1992 the Bucharest Polytechnic Institute, Faculty of Electronics and Telecommunications, and the second degree of the same profile was obtained in 2002 from the Politecnico di Torino University.
- Since 1996 he has been employed at Politecnico di Torino in various positions (collaborator, technician, etc.), and since 2002 he has been permanently employed as a teacher.
- During his teaching career, Professor Ladislau Matekovits has demonstrated remarkable action in all modern educational cycles: bachelor's, master's, and PhD's degree. Among the subjects taught we can remember: Electromagnetic Fields, Complements of Electromagnetic Field, Antennas (bachelor), Electromagnetic Compatibility, Radio Planning (master), Metamaterials, Metasurfaces, Numerical Optimization (PhD).
- Professor MATEKOVITS' long-term collaboration with UPT/Faculty of Electronics, Telecommunications and Information Technologies has manifested itself on various levels: didactic, scientific, through joint programs and by supporting the organization of international scientific events.
- On the teaching level, Mr. Matekovits published two books in Romanian, at the Politechnic Publishing House, one of Microwaves and Electromagnetic Compatibility and a collection of Microwave problems. The professor also supported the doctoral school through direct guidance and publication of scientific papers in common with the participation of PHD students from UPT. The Professor supported the conduct of the international traditional symposiums of Electronics and Telecommunications organized by UPT (ISETc) through direct participation with works in collaboration with professors and PhD students, through reviews of the proposed countries, and through presentation and/or organizing lectures in the plenary of the events at the latest editions.
- The programs carried out jointly were of the Socrates type and then Erasmus, since 2004 until now.
- Another type of collaboration was provided by the MCD type mobility programs granted by UEFISCDI to finance the movement of Romanian researchers from the diaspora to research institutions in Romania to support scientific research in the country. UPT, through the MEO department of the ETcTI faculty, has so far carried out three such programs with Mr. Matekovits as a guest.