

## DOCTOR HONORIS CAUSA Professor Eng. Ewald A. WERNER, PhD

Ewald A. Werner was born in Austria in 1956. After prolonged military service and officer training Mr. Werner entered the University of Leoben (Montanuniversität), Austria in 1975 where he majored in Materials Science and Metal Physics. He obtained the degree Dipl. Eng. in 1980 and graduated summa cum laude. He then studied Pure Mathematics at the University of Graz, Austria (1981-1982).

Starting with April 2007 he has fulfilled an academic position as professor and Department Leader for Integrated Systems at Ruhr-University-Bochum for a period of 3 years.

Prof. Werner started his educational career in 1977, currently he presents courses in Mechanical Engineering and Materials Science for Bachelor, Technology, Mechanics of materials, Theory of Dislocations, Numerical modeling, Quantitative metallography, Non-destructive and destructive materials testing for Master programs in Mechanics and Chemical Engineering and Engineering studies. On the same time he supervised 40 PhD students.

In 1997 Werner was appointed a scientific member of the Max-Planck Society and was offered the position of a Director at the Max-Planck Institute for Steel Research at Düsseldorf, Germany. He instead accepted the offer to join the Faculty of Mechanical Engineering at the Technische Universität München, Germany, as a full professor. From 1997 to 2001 he was head of the Chair of Mechanical Sciences, which is famous for its contributions to mechanics of materials, dynamics, fracture mechanics and plasticity (predecessors were: Bauschinger, Föppl (father and son), Neuber and Lippmann). He also serves as head of the State Laboratory for Material Testing in Mechanical Engineering, being the oldest material testing laboratory on the European mainland (founded by Bauschinger in 1871) and which is a highly recognized partner for industry in the fields of material and component testing, microstructure analysis, fracture mechanics and calibration and development of testing equipment. Prof. Werner headed the Christian-Doppler Laboratory for Modern Multiphase Alloys (1998-2005) conducting application driven basic research on a great variety of steels. Since 2002 he is full professor for Materials Science and Mechanics of Materials.

Throughout his career the researches were focused on the development, processing and testing of new materials such as low alloyed TRIP-, interstitial free-, bake hardening-, ferritic-martensitic-, ferritic-bainitic- and ferritic-austenitic-duplex-steels, metal matrix composites, aluminum, nickel, titanium and high-entropy alloys for automotive, aeronautical, electronic and biomedical applications. Between Politehnica University Timisoara and TU München exists a long term cooperation in the framework of educational domain through programs like Erasmus – Socrates, and in the research field. Particularly between Department of Mechanical Engineering from TU Munich and Departments of Mechanics and Strength of



materials, and Materials Engineering and Fabrication from University Politehnica Timisoara, exists a close collaboration relationship materialized on: mutual support of scientific events (at AMS 2018 Conference organized by UP Timisoara a delegation from TU München participated, led by Prof. Werner), exchange of experienced researchers (4 researchers from UP Timisoara visited TU München in November 2017), exchange of experience of the management of UP Timisoara and TU München for identification of future collaboration directions, students exchange in the framework of Erasmus +: a PhD student from UP Timisoara will carry on a research stage at TU München, two final year bachelor students (from Mechanical Engineering and Medical Engineering) performed a practical training in order to finalize their licenses.

Also, Prof. Dr.-Eng. Ewald Werner will donate to the Library of UPT the collection of international journal Materials Science and Engineering: A Structural Materials: Properties, Microstructure and Processing, whose publisher he is.

For the entire scientific, didactic and managerial activity, for the sustained collaboration with our university, and for the outstanding results reflecting this activity, the conclusion unequivocally and unanimously reached by all members of the committee that analysed this activity, to confer the title of Doctor Honoris Causa of the University Politehnica Timisoara to Prof. Dr. Eng. Ewald Werner from Technical University of München, Germany.