

## **Prof. Dr.- Ing. Dr. h.c. Horst Exner**

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### **Vitae and Scientific career**

- 1954 - Born in Rathenow (Germany, district Potsdam)
- 1976 - 1980 - Study at the University of Engineering Mittweida in the field of Electronic Technology, degree Graduate Engineer
  - Topic of the diploma: "Investigations of Laser Induced Borehole Geometries in Semiconductor Materials"
- 1980 – 1984 - Working as teaching staff assistant at the Physics department of the University of Engineering Mittweida to prepare my PhD thesis
  - PhD thesis: "Contributions to Laser Induced Annealing of Ion Implanted Silicon in Liquid Phase"
- 1984 - 1988 - Working as Designing Engineer for education and research
- 1988 - 1997 - Engineering Manager for the establishment of the Laser Application Centre (LAZ) at the University of Engineering Mittweida
- since 1.10.92- Nomination to the Professor for Physical Technology/Laser Applications at the University of Applied Sciences Mittweida
- since 1.12.97- Director of the Laserinstitut Mittelsachsen e.V.
- 01.03.06 - 31.03.2010 Vice Rector of the University of Applied Sciences Mittweida
- 31.05.2011 - Awarding with the Doctor Honoris Causa degree Technical University Gabrovo, Bulgaria

### **Scientific Focus and Activities**

In the area of laser technology Professor Dr. Dr. Horst Exner can refer to over 150 scientific publications and 50 patent registrations. For his research work 6 national and international honours and scientific awards were lent to him.

His emphasis fields in research are all kinds of laser material processing (micro and macro) among them laser processing of ceramics and laser micro sintering.

Beside the successful scientific work he engaged himself intensively for the transfer of technology and co-operation with enterprises of the region.

Currently the Laser Institute Mittweida runs more than 30 laser machines of most modern design of all usual wavelengths and all pulse times. The Center offers research and seminal development as well as industrial and business applications. Under his guidance the construction of a new laser research building for an amount of more than 21 Million Euros just began.