

## **Dr.-Ing. Prof. h. c. Frank Härtig**



### **Education & Professional Experience**

October 1980

Studies in mechanical engineering, Karlsruhe University (TH); degree: graduate engineer

March 1987

Development engineer, company Dr.-Ing. Höfler Messgerätebau (construction of measuring devices)

July 1989

Team leader measuring gear cutting tools, Carl Zeiss company

January 1990

Deputy director of the department "Software development", Carl Zeiss company

January 1992

External doctorate at the Institute for Tooling Machines and Industrial Engineering of the Karlsruhe University (TH), Promotion Dr.-Ing. (PhD Engineering), engineering activity on a self-employed basis

April 1995

Scientific employee in the department "Coordinate Measuring Machines", Physikalisch-Technische Bundesanstalt

April 1998

Lead of the software and electronic development, Werth Messtechnik Ltd.

since August 1999

Permanent position at Physikalisch-Technische Bundesanstalt  
Scientific employee in the department "Coordinate Measuring Machines"

December 2002 - June 2003

Lead of the project "Gearing and Threads"

June 2003 - August 2008

Lead of the working group "Gearing and Threads"

August 2008 - March 2014

Head of department "Coordinate Measuring Technology"

April 2014 – April 2020

Head of division 1 "Mechanics und Acoustics"

since January 2016

Professorship honoris causa; Harbin Institute of Technology

January 2017 - November 2017

Head of department 1.5 "Liquid Flow"

September 2018 – September 2021

President Elect of the International Measurement Confederation (IMEKO)

since May 2020

Vice-President of Physikalisch-Technische Bundesanstalt (PTB)

Since September 2021

President of the International Measurement Confederation (IMEKO)

## **Additional functions**

since May 2020

- Head of Conformity Assessment Center of PTB (KBS)
- Deputy Chairman Administrative Council of Helmholtz-Fonds
- Chairman of Rule Determination Committee (Regelermittlungsausschuss REA)
- Chairman of Vollversammlung für das Mess- und Eichwesen
- Alternate Delegate for the PTB at EURAMET

## **Memberships**

December 2010 - March 2014

Presidency of the sector committee 5.6 "Dimensional Measurands" of the German Accreditation Body (DAkkS)

September 2010 - March 2014

Member of the Accreditation Committee of the German Accreditation Body (DAkkS)

January 2011 - March 2014

Member of the advisory board 5 "Metrology of the Advisory Council of Accreditation" of the Federal Ministry for Economic Affairs and Energy (BMWi)

since March 2014

Chairman of the TraCIM association "Validation of software algorithms"

since February 2015

Member of the Consultative Committee for Mass and Related Quantities (CCM) des BIPM

since August 2017

Representative of the member organization of Germany within the International Measurement Confederation (IMEKO)

since October 2020

Member of the „Arbeitskreis der Hochschullehrer für Messtechnik e. V. (AHMT)“

## **Awards & Guest professorships**

- Certificate for Excellent Presentation: IMECO International Symposium on Measurement and Quality Control in Production; Lecturer: Härtig F., co-authors: Kniel K., Wäldele F., Erlangen 2004
- Technology Transfer Award of the IHK (Chamber of Industry and Commerce) Braunschweig 2005, Franke M., Härtig F., Schwenke H., Trapet E., Wäldele F.
- Guest professorship at Beijing University of Technology 2010
- Best Application Paper Award  
3D Micro Probing Systems for Gear Measurements with Nanometer-Scale Deviation; 3M Nano 2013; Suzhou China, Ferreira N, Metz D, Dietzel A, Büttgenbach S, Krah T, Kniel K, Härtig F
- Professorship honoris causa; Harbin Institute of Technology, 2016
- Guest professorship at Beijing University of Technology 2016 – 2018
- Technology Transfer Award of the IHK (Chamber of Industry and Commerce) Braunschweig 2020, Härtig F., Lehrmann K, Meeß R, Wiedenhöfer T
- Seifriz Award 2020 for „The roundest spheres in the world – German craft businesses and PTB work hand in hand“; Härtig F., Lehrmann K, Meeß R, Wiedenhöfer T
- Appointment as Guest Professor at the Beijing University of Technology (Mar 2021 – Mar 2023)
- Recipient of Finkelstein Medal 2021, Institute of Measurement and Control, London