



## Prof. Dr.-Ing. habil. Matthias Eifler, M.B.A.

Born 1990 in Koblenz, Germany

matthias.eifler@iu.org

*Expert in roughness measurement, Geometrical Product Specification, metrology, sensor-technology, measurement uncertainty, signal processing*

### Professional experience

- Since 2020/05* **IU International University of Applied Sciences, Erfurt (Formerly: IUBH)**  
*Full Professor in distance learning: Teaching, development of the programs "Robotics" and "Electrical Engineering", creation of learning materials*
- Since 2018/01* **Opti-Cal GmbH, Kaiserslautern**  
*CEO: Development and implementation of actions to meet the overall business objectives, financial management, calibration artifacts, software and services in the field of calibration of surface topography measuring instruments*
- 08/2016 – 03/2020* **Department of Mechanical and Process Engineering, TU Kaiserslautern**  
*Manager of degree programs: Administration of examination regulations, module manuals, accreditations, support of the committees of the academic self-administration*
- Since 2016/07* **Dr. Eifler Fertigungsmesstechnik, Kaiserslautern**  
*Freelancer: Training and consulting in the field of production metrology*
- 2018/10, 2019/10* **University of California at Davis, USA**  
*Visiting researcher: Guest lectures*
- 2017/08 – 2017/10* **University of California at Davis, USA**  
*Visiting researcher: Guest lectures, research activities in the field of roughness metrology*
- Since 2016/03* **Institute for Measurement and Sensor-Technology, TU Kaiserslautern**  
*Post-Doctoral Scientist: DFG-CRC 926: Microscale morphology of Component Surfaces, industrial projects in the field of geometrical product specification (GPS), lecturer*
- 2014/02 – 2016/03* **Institute for Measurement and Sensor-Technology, TU Kaiserslautern**  
*Research Assistant and Doctoral Candidate: Industrial projects in the field of geometrical product specification (GPS), employed in the DFG-CRC 926, teaching assistant*
- 2013/08 – 2014/01* **Institute for Measurement and Sensor-Technology, TU Kaiserslautern**  
*Student Research Assistant*

**Weidmann Plastics Technology AG, Rüti, Switzerland**

2012/04 – 2012/06 *Internship Quality Management: Quality planning and -documentation, reduction of production waste (Kaizen)*

**Bertrandt Ingenieurbüro GmbH, Köln**

2011/11 – 2012/01 *Internship CAE: FEM-calculations, durability analysis of a luggage compartment lid*

**SCHOTTEL GmbH, Spay**

2011/02 -2011/03 *Internship Quality Assurance: Delivery control, GPS*  
2010/08 *Internship Repair: Disassembling, appraisal and assembling of vessel propulsion systems*  
2010/03 *Internship Assembly: Assembly of gears*  
2009/08 – 2009 / 10 *Basic Internship in Metal Processing*

**Gräflich Eltz'sche Kastellanei, Wierschem**

2006/06 – 2012/11 *Tour Guide and Temporary Staff*

**Education**

**IUBH School of Business and Management, Bad Honnef**

2014/05 -2016/04 *Distance learning: Master of Business Administration (M.B.A.) (1.3 / 1.0)*

**TU Kaiserslautern**

2016/03 – 2019/05 *Habilitation in Metrology (venia legendi):  
Institute for Measurement and Sensor-Technology, Prof. Dr.-Ing. Jörg Seewig, Thesis: "Trends and challenges in the Geometrical Product Specification on the example of roughness metrology"*  
2013/03 – 2016/03 *Doctoral Studies: Doktor-Ingenieur (Dr.-Ing.) (1.0)  
Institute for Measurement and Sensor-Technology, Prof. Dr.-Ing. Jörg Seewig, Dissertation: "Model-based development of calibration artifacts for geometrical product specification"*  
2009/04 – 2013/01 *Studies of Mechanical and Process Engineering:  
Diplom-Ingenieur (Dipl.-Ing. equivalent to M.Sc.) (1.1 / 1.0 – with distinction) Majors Plant Engineering and Production Engineering*

**Kurfürst-Balduin Gymnasium, Münstermaifeld**

2000/08 – 2009/03 *University Entrance Qualification („Allgemeine Hochschulreife“)*

## Awards & Activities

- 2020 Innovation Award Rhineland-Palatinate („Innovationspreis Rheinland-Pfalz“): Special award of the minister for economic affairs Dr. Volker Wissing „3D printing“ (Opti-Cal GmbH)
- 2019 OptecNet Startup Challenge - 3rd place (Opti-Cal GmbH)
- 2014 Award of the „Hannelore und Manfred J. Lenhart-Namensstiftung“
- 2013 Award of the „Stiftung Pfalzmetall“

### ***Voluntary activities as reviewer***

Measurement Science and Technology, Surface Topography: Metrology and Properties, Machining Science and Technology, Thin Solid Films, Applied Optics, Measurement, Applied Sciences, Optics Express, IEEE Transactions on Industrial Informatics, Materials & Design,

### ***Some personal information***

- Since 06/2018 Member of the Royal and Ancient Polar Bear Society, Hammerfest (Norway)
- 2016/04-2016/05 Transmongolian Railway - Shanghai to Sankt Petersburg