

<p style="text-align: center;">History of the research of Prof. Koch in the field of fibre Bragg grating measurement techniques</p>	
1998	<ul style="list-style-type: none"> - Since 1998 Prof. Dr.-Ing. Dr. h.c. Alexander Walter Koch heads the Chair of the Institute for Measurement Systems and Sensor Technology (MST) at the Technische Universität München (TUM).
2000 - 2004	<ul style="list-style-type: none"> - MST starts research in the field of fibre Bragg grating measurement techniques. - Thomas Zeh conducts his PhD research.
2004 - 2007	<ul style="list-style-type: none"> - Research project "Fiber Optic Sensors in Drive Engineering" funded by the German Federation of Industrial Research Associations (AiF) and the Federal Ministry of Economics and Labour. - Lars Hoffmann conducts his PhD research. - Mathias S. Müller starts his PhD research in 2006.
2006 - 2010	<ul style="list-style-type: none"> - Research projects "Fiber Optic Sensing Subsystem for Spacecraft Health Monitoring in Telecom Satellites" (FOSAT) and "Test Fiber Optic Sensors for Structural Monitoring of the Ariane Launcher" (SMAFO) funded by the European Space Agency (ESA) in cooperation with Kayser-Threde GmbH. - Markus P. Plattner und Thorbjörn C. Buck conduct their PhD research.
2007 - 2012	<ul style="list-style-type: none"> - Research projects "Fiber Optic Sensor Technology on Bragg Grating Basis for Force-feedback Application in Instruments for Minimally Invasive, Robot-assisted Surgery" and "Thrust and Principal Strain Reconstruction with Embedded Fibre Bragg Gratings" funded by the German Research Foundation (DFG). - Mathias S. Müller conducts his PhD research. - Andre Heßke starts his PhD research in 2010.
2010 - 2012	<ul style="list-style-type: none"> - EXIST research transfer project "Fiber Optical Measurement Systems" funded by the Federal Ministry of Economics and Technology (BMWi) for T.C. Buck, L. Hoffmann, M.S. Müller, and R. Wojtech. - Establishment of the fos4X GmbH in 2010. - First sold measuring instrument (prototype) for highly dynamic vibration measurements (FBG, strain) and first installation of a wind turbine by fos4X GmbH. - Due to the positive development of the fos4X GmbH, the company was able to move into its own premises in 2012.
2011 - 2018	<ul style="list-style-type: none"> - Research project "Hybrid Sensor Bus for Telecommunication Satellites (HSB)" funded by the European Space Agency (ESA) in the program "ARTES 5.2: Telecom - Technology" in cooperation with Kayser-Threde GmbH/OHB System AG. - Philipp Putzer conducts his PhD research.

2012 – 2014	<ul style="list-style-type: none"> - Student project "Fiber-Optic Vibration Measurement System (FOVS)" funded by tuition fees, study grants, and by the German Centre for Aerospace (DLR) under the Rexus-15 mission. On May 29, 2014 the Rexus-15 high-altitude research rocket with a fibre-optic measurement system of the MST on board flew to a height of 80.4 km. - Max R. Rößner conducts his PhD research.
2012 - 2015	<ul style="list-style-type: none"> - Research project "Monitoring of Dynamic Blade Loads Using Fiber Optic Measurement Systems (DyLaR)" in cooperation with fos4X GmbH within the framework of the notice on the funding of research and development in the field of renewable energies from November 20, 2008 of the Federal Ministry for Environment, Nature Conservation, Building and Nuclear Safety (BMUB) and the Federal Ministry of Economics and Technology (BMWt).
2013	<ul style="list-style-type: none"> - Dr.-Ing. Thomas Zeh is appointed to the Chair of Measurement Systems and Fundamentals of Electrical Engineering at the Kempten University of Applied Science.
2013 - 2017	<ul style="list-style-type: none"> - Research project "Distributed Fiber Optic Seismic Sensing (DFOSS)" in cooperation with fos4X GmbH within the framework of the joint German-Russian funding competition of the Federal Ministry of Education and Research (BMBWF) and the Russian Foundation for Assistance to Small Innovative Enterprises (FASIE) in the field of applied industry-related research, as well as the cooperation of innovative small and medium enterprises (SMEs). - The company fos4X GmbH expands its offer with the distributed strain and temperature measurements at several hundred measuring points, with the blade condition monitoring (strain, acceleration, temperature), and with the ice detection on wind turbines. - Markus Schmid conducts his PhD research.
2013 - 2017	<ul style="list-style-type: none"> - Research project "Hybrid Sensor Bus - In-Orbit Verification on H2Sat (HSB H2)" funded by the German Aerospace Center with funds of the Federal Ministry of Education and Research (BMBWF) within the program "COMED" (Constellation & Multimedia development and demonstration program line) in cooperation with Kayser-Threde GmbH/OHB System AG. - Nader Kuhenuri conducts his PhD research.
2015 - 2016	<ul style="list-style-type: none"> - Yang Ning conducts a part of his PhD research in the field of „Fiber Optic Delay-based Temperature Sensor and its Potential for Multi-parameter Measurement“.

2015 – 2019	<ul style="list-style-type: none"> - Embedding of FBGs in materials. - Research project "In-situ strain measurement during the solidification and the cooling down of aluminium alloys by means of regenerated Fiber Bragg gratings" funded by the German Research Foundation (DFG). - "Real-time monitoring of cracking in natural stone induced by environmental stress conditions (StoneMon)" funded by the German Federal Environmental Foundation (DBU). - Klaus Weraneck and Moritz A. Graf conduct their PhD research.
2016 – 2019	<ul style="list-style-type: none"> - Student project „TESOS“ (In-flight temperature measurement with structurally integrated fibre optic sensors) of the Chair of Carbon Composites (LCC) and MST funded by the German Centre for Aerospace with funds of the Federal Ministry for Economic Affairs and Energy (BMWi) under the Rexus-23 mission. - Moritz A. Graf conducts his PhD research.
2017 – 2019	<ul style="list-style-type: none"> - Project „Condition monitoring systems for wind energy converters using rotor-blade load measurement data (CondWind)“ within the framework of the notice on the funding of the cooperation between science and technology (WTZ) with the Palestinian National Ministry, Federal Bulletin dated 15.09.2015, in cooperation with Prof. Hala El-Khozondar and fos4X GmbH.
2018 - 2022	<ul style="list-style-type: none"> - Kun Wang conducts his PhD research in the field of „Fiber-optic sensors“.

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