

Univ.Prof. Dipl.-Ing. Dr.techn.

Werner Lienhart



Werner Lienhart is Full Professor and Head of the Institute of Engineering Geodesy and Measurement Systems (IGMS) at Graz University of Technology, Austria. At IGMS Werner and his team develop new geodetic, fibre optic and IoT sensors for Structural Health Monitoring (SHM).

Prior to his university position, Prof. Lienhart was product manager at Leica Geosystems at the headquarter in Switzerland. At Leica he was responsible for the development of the Galileo and GPS L5 capable receivers and the Leica imaging total stations.

Now at TU Graz Prof. Lienhart leads the IGMS measurement lab, where several specific calibration facilities were set up for the calibration of fibre optic sensors as well as for the testing of total stations and laser scanners. He has more than 25 years of experience in practical applications of SHM. Prof. Lienhart and his team have installed and are currently responsible for the operation of several monitoring systems of long railway and highway tunnels as well as the monitoring of water dams, gas pipelines, reinforced earth structures and landslides.

Prof. Lienhart has published more than 180 scientific articles, holds several patents, is President of the Society for Civil Structural Health Monitoring (SCSHM), President of the Austrian Geodetic Commission (OeGK), chair of Commission 6 of the International Federation of Surveyors (FIG) and co-founder of ACI Monitoring, a company specialized in fibre optic sensing in civil engineering and geotechnical applications.

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