

Prof. Werner Lienhart



Graz University of Technology (TU Graz)

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

Prior to his university position, he 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 is responsible for the IGMS measurement lab, where several specific calibration facilities were set up for the calibration of interferometric, Bragg grating and distributed fibre optic sensors as well as for the testing of total stations, prisms, laser scanners and geodetic gyroscopes. He has more than 20 years of experience in practical applications of fibre optic and geodetic sensors for the monitoring of civil structures like bridges or natural phenomena like landslides. He and his team have installed and are currently responsible for the operation of several fibre optic monitoring systems of long railway and highway tunnels as well as the monitoring of water dams, gas pipelines, reinforced earth structures and landslides.

He has published more than 120 scientific articles, holds several patents, is Vice President of the International Society for Structural Health Monitoring of Intelligent Infrastructure (ISHMII), President of the Austrian Geodetic Commission (OeGK), Vice President for West Europe of the International Society of Environmental Geotechnology (ISEG) and chair elect of Commission 6 of the International Federation of Surveyors (FIG).

5th Joint International Symposium on Deformation Monitoring

Polytechnic City of Innovation, Valencia, Spain 20-22 June 2022