Institute of Engineering Geodesy & Measurement Systems
Univ.Prof. Dipl.-Ing. Dr.techn. Werner Lienhart

Steyrergasse 30
A-8010 Graz, Austria

Tel.: +43(0)316 873-6321
Fax: +43(0)316 873-6820

werner.lienhart@tugraz.at
http://www.igms.TUGraz.at

DVR: 008 1833 UID: ATU 574 77 929

We develop, install and operate monitoring systems for large civil structures. Our solutions based on innovative internal and external sensors enable the early detection of structural deterioration. We are proud that our research and industrial projects increase public safety and help to build more sustainable infrastructure.
To extend our team we offer a

full time Post Doc Research Position in Structural Health Monitoring (SHM) for 6 years

at the Institute of Engineering Geodesy and Measurement Systems (**www.igms.tugraz.at**) of Graz University of Technology, Austria

Your qualifications:

- The successful candidate must hold a Doctorate/PhD degree in a technical field (civil engineering, geodesy, physics, computer science, mechanical engineering, electrical engineering)
- Expertise and professional experience in one or more of the following subject areas:
  - Design of monitoring systems
  - Application and calibration of geodetic, geotechnical or fibre optic sensors for SHM
  - Data analysis and interpretation of monitoring data of civil structures (bridges, dams, retaining walls), natural objects (rock faces, landslides) or mechanical structures (pipelines)
  - Data analysis in the time and frequency domain.
  - Visualisation of monitoring data
  - Set up and operation of early warning systems
- Very good command of English (both oral and written), German language skills are an advantage but not a must

Job description:

- The successful candidate will conduct research on:
  - Integration of internal and external sensors in SHM systems
  - Innovative data analysis methods to detect, localise and quantify damages of structures
  - New remote measurement technologies (camera based, interferometric radar etc.) and high frequent measurement systems (accelerometers, distributed acoustic sensing – DAS)
- Acquire and manage externally funded projects
- Present research results at scientific conference and in research journals
- Teach university-level classes and supervise Bachelor's/Master's/Diploma theses
- Supervise Ph.D. students

What we offer:

- On the basis of full-time employment (40 hours/week) the minimum salary in accordance with the collective agreement is € 3,889.50 gross per month (14 x per year), Job Grade: B1
- Dynamic research environment and a highly motivated team
- State-of-the-art research infrastructure
- Stable employer
- Attractive campus environment (TUG_image_video) in the lively city of Graz
- Attractive continual educational opportunities

Application deadline: 21.10.2020

How to apply: Prospective applicants interested in this position are requested to send an application to the Dean of the Faculty of Mathematics, Physics and Geodesy, Univ.-Prof. Dipl.-Phys. Dr.rer.nat. Roland Würschum, Petersgasse 16, 8010 Graz, (bewerbungen.mpug@tugraz.at) Please include the job reference number 5200/20/02 in your application.

Contact: If you have questions, please contact: Univ.Prof. DI Dr. Werner Lienhart, P +43 316 873 6320
E-mail: werner.lienhart@tugraz.at