



POWER OF VISION

Workshop on Machine Vision with Digital Image Correlation for Deformation Analysis

PURPOSE OF THE WORKSHOP

The goal of this workshop is to introduce the technology of optical strain measurement by X-Sight and explore potential research and development collaborations.

WORKSHOP AGENDA

- ▶ Introduction to Digital Image Correlation (DIC) technologies for optical strain measurement, robust to natural patterning
- ▶ Optical Extensometry
- ▶ DIC Systems Overview
- ▶ Practical Demonstration of X-Sight DIC Software Capabilities
- ▶ Discussion on R&D and Industrial Needs in the Region
- ▶ X-Sight R&D Plan
- ▶ Specific Incentives for R&D Collaboration

AREAS OF INTEREST

Mechanical Engineering

Component and Machine Design
Aeronautics and Space
Technology of Production
Material Engineering

Agricultural, Wood, and Forestry Engineering

Wood Mechanics and Technology
Arboriculture
Testing and Construction
Technology and Design

Civil Engineering

Structural Mechanics
Material Technology
Road and Railway Construction
Metal and Timber Structures

MEET THE TEAM



▶ **Bořek Šcerba**
Workshop Lead
Fracture Mechanics,
LCF, TMC (BUT)



▶ **Alexandr Zakl**
Advanced 3D Print
Technologies,
Component Testing,
FLC/FLD, Composites



▶ **Gabriel Cabaj**
Vibrography and
Experimental Dynamic
Analysis, ANSYS/AL-
PHA Interface (BUT)



▶ **Lucie Kuglerova**
Workshop Coordinator



▶ **David Halabuk**
Engineering Mecha-
nics, Residual Stress
Research, FEM (BUT)



▶ **Richard Horak**
Bridge Measurements,
DIC Accessories, Mate-
rial Engineering (BUT)

REGISTRATION & CONTACT



Register here:
[www.xsight.tech/
workshop-registration](http://www.xsight.tech/workshop-registration)



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