



**SCIENTIFIC
VISION DAYS**

2021

Moderation:

Doris Antensteiner - AIT
Bernhard Blaschitz - AIT
Christian Kapeller - AIT
Sarah Schneider - AIT
Philipp Schneider - AIT

**SCIENTIFIC
EXCELLENCE ON STAGE**
AIT Booth 8C50



Tuesday 05.10.2021

10:30

**flex:inspect -
how to deal with deformations in
surface inspection**

Franz Daubner
AIT Austrian Institute of Technology

11:00

**Inline Computational Imaging –
high-speed 3D inspection for
industrial area scan cameras**

Bernhard Blaschitz
AIT Austrian Institute of Technology

11:30

**A survey of autoencoders for anomaly
detection in the realm of industrial
imaging**

Sarah Schneider
AIT Austrian Institute of Technology

12:00

**Anwendungen und Grenzen der
Wärmeflussthermografie**

Gerhard Traxler
PROFACTOR

12:30

**Quality inspection of translucent and
micro-structured functional surfaces**

Lukas Traxler
AIT Austrian Institute of Technology

13:00

**Training data for computer vision -
best practices**

Alexander Hirner
Moonvision

13:30

**Towards full-area defect inspection
in mass production of coated lithium-
ion battery electrodes**

Christian Kapeller
AIT Austrian Institute of Technology

14:00

**Flexible and scalable object pose
estimation in RGB-images**

Stefan Thalhammer
TU Wien

14:30

**xposure:photometry -
fast inline 3D surface scanner**

Ernst Bodenstorfer
AIT Austrian Institute of Technology

15:00

Visual SLAM in dynamic environments

Matthias Schörghuber
AIT Austrian Institute of Technology

15:30

**High-speed imaging at the edge:
event-based vision**

Carsten Strampe
Imago Technologies



Wednesday 06.10.2021

10:30

High-speed inline computational microscopy system for industrial inspection

Lukas Traxler
AIT Austrian Institute of Technology

11:00

Deep learning solutions for industrial applications

Blaschitz Bernhard
AIT Austrian Institute of Technology

11:30

The furtherance of autonomous engineering via reinforcement learning

Doris Antensteiner
AIT Austrian Institute of Technology

12:00

Measurement accuracy of optical inline inspection systems

Lukas Traxler
AIT Austrian Institute of Technology

12:30

MotionCam 3D - step into the future of the 3D vision

Svorad Stolc
Photoneo

13:00

Bridging the knowledge gap between experts and AI

Bernhard Raml
AIT Austrian Institute of Technology

13:30

Advanced spectroscopic-based methodologies for process monitoring in the PV industry
Victor Izquierdo Roca
Catalonia Inst. for Energy Research

14:00

High-speed pose estimation and tracking of fiducial markers
Germain Hessig
AIT Austrian Institute of Technology

14:30

AI-assisted spatial vision
Norbert Hainitz
AIT Austrian Institute of Technology

15:00

Characterization of modern image sensors and cameras with the new release 4 of the EMVA standard 1288
Bernd Jähne
EMVA

15:30

Additive manufacturing – from sensor level till the digital process twin
Thomas Grünberger
Plasmo Industrietechnik GmbH

16:00

High-speed open platform camera Creation – embed your IP
Max Schloz
Mikrotron GmbH

