

SCIENTIFIC VISION DAYS 2026

SCIENTIFIC EXCELLENCE ON STAGE AT BOOTH 8C50



Tuesday, 06.10.2026

10:00

Seeing the Unseen: Low-Light Imaging for Next-Gen Industrial Inspection
Cheng Kevin, Shenzhen SinceVision Technology Co., Ltd.

10:20

RTI based Computational Imaging and AI for Surface Analysis
Cloix Severine, Opto GmbH

10:40

Programmable VCSEL Arrays for Adaptive Imaging and Quantum Sensing
Ledentsov Nikolay, EPIGAP OSA Photonics

11:00

Photonic quantum sensing and imaging: from fundamentals to future applications
Gili Valerio Flavio, Fraunhofer IOF

11:20

Litavis: High-Speed Parallel Photon Counting and Time-Resolved Imaging
Ehrlich Katjana, Singular Photonics

11:40

Systems-Level Optimizations of Embedded Vision through Optical-Computational Co-Design
Peterson Mark, Theia Technologies

12:00

ViMo X Industrial Vision Agent for Connected and Reusable Delivery
Wanying Li, SmartMore Corporation Limited

13:00

Plan-Once, Place-Anywhere: A CAD-Centric Framework for Adaptive Robotic Inspection
Staderini Vanessa, AIT

13:20

How Can SWIR Imaging Improve Speed Without Sacrificing Accuracy?
Liu Fushuai, Raytron Microelectronics Co., Ltd.

13:40

Multimodal Vision-Based Inspection of Inkjet-Printed Functional Structures
Eugui Pablo, AIT

14:00

EU Documentation Requirements—A Catalyst for Digitalization
Robers Ralf, tekorn Deutschland e.V.

14:20

xposure:1M:photometry – inline photometric stereo up to 1 MHz line-rate
Bodenstorfer Ernst, AIT

14:40

Digital Twins for Inspection: Rethinking How We Plan Machine Vision Setups
Gospodnetic Petra, Medabsy

15:00

Miniaturization and Customization of LED and LED Arrays
Huber Wolfgang, Chips 4 Light GmbH

15:20

Meeting QuantumBW – The LÄND of quantum technology
Heinrich Alexander, Quantum

Wednesday, 07.10.2026

10:00

SLAMLab: A Flexible, Tightly-Coupled Lidar-Inertial-GNSS SLAM System for Survey-Grade Real-Time Mapping
Hofbauer Clemens, AIT

10:20

Reliable Real-Time Vision: Detecting Unknowns in Production
Krumpl Gerhard, KESTRELEYE GmbH

10:40

FPGA Implementation of GigE Vision 3.0 RoCEv2 Streaming for Machine Vision
Pech Jan, mavix engineering

11:00

Efficient and Robust Training of Foundational Vision AI Models Using GenAI
Wanner Sven, Artificial Pixels GmbH

11:20

3D and snapshot hyperspectral cameras based on continuously variable filter
Pust Oliver, Delta Optical Thin Film A/S

11:40

AI Meets 3D: Intelligent Weld Inspection for Resource-Saving Production
Beising Michael, EVT - Eye Vision Technology

12:00

SiL® Technology - Next Generation Optical Architectures for Imaging and Sensing Applications
Cennini Giovanni, Anteryon

13:00

On-Device Deep Learning with CAD-Based AR Tracking
Subasi Celaeddin, CDMVISION YAZILIM HİZMETLERİ TİCARET ANONİM ŞİRKET

13:20

Bringing Real-Time AI Training into PC-Based Machine Vision Systems
Lee Hongsuk, Neurocle

13:40

Liquid lenses for 2D and 3D Vision
Laune Frederic, Corning Varioptic

14:00

Extending Inline Computational Imaging for 3D Inspection of Low-Texture Objects
Hlinka Ondrej, AIT

14:20

Direct Comparison of Standard Area, Event-Based and Quanta Image Sensors: Theory and Use in Practical Application
Jähne Bernd, University Heidelberg & EMVA

14:40

Unified Perception-to-Action for Robotics
Huy-Hoang Nguyen (Eric), AIT

15:00

Depth of Field: Geometric vs. Diffraction Optics—Bridging the Gap Between
Kühn Johannes, Schneider-Kreuznach

Thursday, 08.10.2026

10:00

From Visible to SWIR: SPAD Sensing Architectures for Industrial Machine Vision
Karaca Utku, NovoViz

10:20

Quality Control in Nano Imprint Lithography
Traxler Lukas, AIT

10:40

Precision in Motion: High-Speed Microscopy for Miniaturized Component Inspection
Girmen Caroline, Fraunhofer IPT

11:00

3D Shrinkage Estimation for Printed Ceramics
Magyar Tamas, AIT

11:20

PHOTODEX: High-Resolution Surface Inspection Without Motion Constraints
Kaniak Georg, AIT

11:40

From Seeing to Acting: Machine Vision in Biointelligent Production – Connecting Vision, Bioprocessing, Automation and AI
Baumgartner Yannick, Fraunhofer IPA

12:00

Ultra-Wide Rectilinear Imaging for High-Performance Vision Systems
Peterson Mark, AIT

12:20

Automation of Brake Dynamometer Testing through Image-Based Damage Detection
Unterrainer Harald, WESTCAM Technologies