

TUESDAY, 6 OCTOBER 2026

VISION Opening

09:10 - 09:20 VISION 2026 Opening and Market Update
VDMA Machine Vision | Anne Wendel

Camera Technologies

09:20 - 09:40 From Photons to Decisions in Milliseconds: The High-Speed Vision Pipeline
Allied Vision Gilching GmbH | Tobias Barl

09:40 - 10:00 High-Speed TDI Imaging for Semiconductor, Life Science, and Advanced Inspec
Gpixel Microelectronics Inc | Wim Wuyts

10:00 - 10:20 Redefining High-Speed Vision with FPGA Processing and USB 10Gbps
Toshiba Teli Corporation | Yusuke Kawachi

10:20 - 10:40 32k for Wafer Scale Imaging
Teledyne Dalsa | Matt Moser

10:40 - 11:00 Multi-camera systems reimaged: Less effort, more possibilities
Balluff GmbH | Olaf Reuter

Machine Vision Software & AI

11:00 - 11:20 Open Vision Ecosystem with VIUx and ctrlX OS: Vision, PLC and AI
evopro systems engineering AG / Bosch Rexroth | Stefan Kraus / Oliver Scheb

11:20 - 11:40 Training-free re-identification in industrial processes
DENKweit GmbH | Dr. Dominik Lausch

11:40 - 12:00 AR and Deep Learning for Visual Quality Control
CDMVision | Celaleddin Suba

Beyond the Visible (SWIR, NIR, Hyperspectral, LWIR)

12:00 - 12:20 Beyond standard vision: What can spectral imaging do for you today?
Datavia BV | Dr. Pavel Paclik

12:20 - 12:40 What Does Your Machine Need to Know?
Headwall | Dr. Matthias Kerschhaggl

12:40 - 13:00 How multispectral vision transforms food inspection
JAI | James Cameron

Machine Vision Applications (Robot Vision, Logistics, Food, Packaging...)

13:00 - 13:20 Hygienic Machine Vision: Three Essential Design Principles
Exaktera LLC | Povilas Dagilis

13:20 - 13:40 From Farm to Fork(lift) - End-to-End Food Inspection and Automation
LUCID Vision Labs, Inc. | Brian Cha

13:40 - 14:00 Secure Design for Long-Lived Machine Vision Systems
Stemmer Imaging AG | Luis López

Lighting systems and Illumination technologies

14:00 - 14:20 High-Power Bar Light for Maximum Performance in Machine Vision Applications
wenglor sensoric elektronische Geräte GmbH | Vincent Straßer

14:20 - 14:40 Illumination techniques for high speed Photometric Stereo using FPGA/GPU/CPU
MST Vision GmbH | Michael Stelzl

14:40 - 15:00 High-contrast edges thanks to the shadow-casting principle: Telecentr.Light
Vision & Control GmbH | Dr.-Ing. Claudia Link

15:00 - 15:20 Digital precise timing: Synchronised lighting for faster Machine Vision
evotron GmbH & Co. KG | Ingmar Jahr

Start-Up Session

15:20 - 16:10 Real Global Shutter with HDR at pixel-level for Next-Gen CMOS Sensors
EYE-TECH Srl | Monica Vatteroni

HylasVision is bringing a new standard for material sensing
HylasVision / VTT LaunchPad | Jussi Soukkamäki

From Visible to SWIR: SPAD Cameras for Industrial Machine Vision
NovoViz | Utku Karaca

Algorithm-Driven Optics: 63 Degrees of Freedom for AI-Controlled Imaging
Phaseform GmbH | Pouya Rajaeipour

Single-Photon Vision: From Raw Data to Industrial Perception
Ubicept | Sebastian Bauer

16:10- 16:15 VISION Start-Up of the Day Award Ceremony

Session moderators:

WEDNESDAY, 7 OCTOBER 2026

Start-Up Session

09:10 - 10:00	Deploying Zero-Shot Vision Models for Immediate Industrial Usage Awentia Vision Technologies Federico Frontali World's first filter-free color splitting image sensor eyeo imaging Jeroen Hoet GigE Vision 3.0 in FPGA Hardware for High-Performance Vision Streaming imavix engineering Jan Pech Smart AI Inference Compiler siwave.io Hanni B. Lozano
09:50 - 10:00	VISION Start-Up of the Day Award Ceremony

Optics and Filters

10:00 - 10:20	Optical Filter Designs for Modern Machine Vision: From UV to SWIR Delta Optical Thin Film A/S Oliver Pust
10:20 - 10:40	Rectilinear Optics Reduce Compute Burden in Edge Machine Learning Theia Technologies Mark Peterson
10:40 - 11:00	The Reliability Spectrum - Standard COTS to Mission-Specific Customization Schneider-Kreuznach Magnus Greger

VISION Award 2026

11:00 - 12:00	Presentation of the five finalists and selection of the winner: AIT Austrian Institute of Technology: PHOTODEX: Breaking the Motion Barrier in Photometric Stereo, Mobile Inspection System for Intelligent, Robust Industrial Surface Analysis Lidwave: Odem - 4D Coherent Vision on a Single Chip: Native Per-Pixel Velocity for Machine Perception Medabsy GmbH: Virtualising Machine Vision photonicSENS: From Plenoptic Research to Industrial 3D Vision Singular Photonics: Litavis: a software-configurable SPAD image sensor for next-generation machine vision Moderated by Warren Clark, Imaging and Machine Vision Europe (IMVE)
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Processor Technologies and Smart Cameras (Embedded Vision, IPC, GPU)

12:00 - 12:20	Scalable Vision: From Embedded Systems to GPU Acceleration IMAGO Technologies Christoph Siemon
12:20 - 12:40	Open Smart Cameras: Software Openness and Integration with Alecs Allied Vision Technologies Vincent Krull
12:40 - 13:00	Beyond Neural Network Acceleration: FPGA Pipelines for Embedded Vision Efinix Inc Andreas Büttner

Panel Discussion

13:00 - 13:40	VDMA Machine Vision
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3D Imaging Technolgies

13:40 - 14:00	5D Vision: Bringing Synchronized 2D and 3D Imaging to Machine Vision Teledyne e2v Laurent Appercel
14:00 - 14:20	Pushing the boundaries with the next generation 3D camera SICK Vertriebs-GmbH / SICK IVP AB Andreas Marinus
14:20 - 14:40	Solving High-Speed 3D Inspection with the World's Fastest Laser Profilers AT Sensors Marco Brucculeri

Machine Vision Software & AI

14:40 - 15:00	AI and 3D machine vision for the world's biggest workforce - the frontline Zebra Technologoies and Photoneo Jason Harvey & Svorad Stolz
15:00 - 15:20	Why Application-Specific AI Still Matters in the Foundation Model Era Neurocle Hongsuk Lee
15:20 - 15:40	From Hype to Hands-On: Practical Deep Learning for Industrial Vision MVTec Software GmbH Christian Eckstein
15:40 - 16:00	Optikos: One Platform for AI based industrial inspection with Vision-GPT PARKVI GmbH Parth Pandya

Camera Technolgies

16:00 - 16:20	AI-Assisted Development and Configuration of Industrial Vision Systems Basler AG Thies Moeller
16:20 - 16:40	High-Bandwidth Ethernet: A Game Changer in Cost for High-Performance Cameras Baumer Optronic GmbH Carsten Traupe
16:40 - 17:00	Recent advances in high-speed imaging Caeleste bv Jan Vermeiren

Session moderators:

THURSDAY, 8 OCTOBER 2026

Start-Up Session

09:10 - 10:00	DeepLained - Explainable and Validated AI for Industrial Vision Autolab-Next Automation GmbH Thomas Benninger
	Operator-Driven Instant Learning for High-Mix Manufacturing Memorence AI Co., Ltd. Pai-Heng Hsiao
	How Infrared Perception Is Shaping Industrial Machine Vision in Europe Raytron Microelectronics Fushuai Liu
	High-Speed Terahertz & AI Quality & Process Inspection Solutions TiHive Hani Sherry
	Synthetic Data for Next-Generation Computer Vision Systems Syntcraft Matthias Kuch
09:55 - 10:00	VISION Start-Up of the Day Award Ceremony

Lighting systems and Illumination technologies

10:00 - 10:20	Beyond Standard: High-Performance OEM Lighting for Machine Vision Leistungselektronik JENA GmbH Dr. Jörg Wagner
10:20 - 10:40	LED Current Control for Reproducible High-Speed Machine Vision GEFASOFT Automatisierung und Software GmbH Georg Schlaffer
10:40 - 11:00	Light it. Scan it. Trust it. Lighting and Laser for Logistics Applications Exaktera LLC Linda Müller

Machine Vision Applications (Robot Vision, Logistics, Food, Packaging...)

11:00 - 11:20	Unveil defects and anomalies of surfaces for quality assurance with solino® Opto GmbH Dr. Paul-Gerald Dittrich
11:20 - 11:40	AI-Powered 3D Robot Guidance for Sustainable Robotic Painting EVT - Eye Vision Technology Michael Beising
11:40 - 12:00	SPEAR: Drones for infrastructure inspection and complex terrain monitoring BIODRONE Paul Tenfjord, Genny Dimitrakopoulou

Imaging Standards

12:00 - 12:20	Global Vision Standards Update A3, CMVU, EMVA , JIIA and VDMA Machine Vision Dr. Suprateek Banerjee (VDMA) et al
12:20 - 12:40	Standardized Integration of 2D Profile and 3D Sensor Data with GenICam wenglor sensoric elektronische Geräte GmbH Nils Teichmann
12:40 - 12:55	Simplifying Multi-Camera GigE Systems with RDMA & Real-Time Synchronization LUCID Vision Labs, Inc. Alexis Teissie

Start-Ups

12:55 - 13:00	VISION Start-Up 2026 Award Ceremony
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Camera Technologies

13:00 - 13:20	See, understand, react. Camera-based process monitoring IDS Imaging Development Systems GmbH Marcus Rembold
13:20 - 13:40	32k Line Scan Imaging for High-throughput Semiconductor Inspection Allied Vision Konstanz GmbH Robin Zirkler
13:40 - 14:00	From 1 Gbps to 5 Gbps Over the Same Cable: A Migration Path from GigE Vision to USB3 Vision. Valens Semiconductor Jonathan Regalado-Hawkey

Beyond the Visible (SWIR, NIR, Hyperspectral, LWIR)

14:00 - 14:20	Why Industrial Spectral Imaging Is Finally Taking Off HAIP Solutions GmbH Tobias Kreklow
14:20 - 14:40	Beyond Visible: Unlocking Industrial Intelligence with UV, SWIR and LWIR Exosens Sarah Montella
14:40 - 15:00	Stuck at 1%: the sorting gap holding back textile recycling Specim Spectral Imaging Oy Ltd Sami Toljamo

3D Imaging Technologies

15:00 - 15:20	A highly accurate, unit-specific camera temperature calibration Optonic GmbH Rainer Voigt
15:20 - 15:40	From Images to Depth: When Sensors Drive Robotic Intelligence STMicroelectronics Marie-Charlotte LECLERC
15:40 - 16:00	Laser Triangulation Solves New 3D Inspection Demands in AI Computing Era SinceVision Technology Kevin

Optics and Filters

16:00 - 16:20	Optical Units: Maximizing Precision in Minimal Space VS Technology Oliver Oehmichen
16:20 - 16:40	Integrated Filter-Switching Lens for Automated Multispectral Inspection CBC (Europe) GmbH Kai Masberg
16:40 - 17:00	Single-Shot 12-Inch Wafer Inspection: Solving Coaxial Uniformity for AI AOI VICO Imaging Victor Wei

Session moderators: