

TUESDAY, 6 OCTOBER 2026

VISION Opening

09:10 - 09:20

Opening of the Industrial VISION Days 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 Technologies 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 Subasi

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:

Dr. Paul-Gerald Dittrich (SpectroNet)
Dr. Suprateek Banerjee, Anne Wendel (VDMA Robotics + Automation Association)

WEDNESDAY, 7 OCTOBER 2026

Start-Up Session

09:10 - 09:55	Big Models Teach. Small Models Inspect Rosepetal AI Jose Racionero 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
09:55 - 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: From Light to Insight: Litavis Sensor Brings In-Pixel Processing to SPADs 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 GmbH 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 Panel Discussion: From Seeing to Acting: Is Agentic AI Reinventing Machine Vision? AUMOVIO Germany GmbH Nuria Garrido Lopez Intrinsic, an AI robotics group at Google Martin Groher IDS Imaging Development Systems GmbH Jan Hartmann Siemens AG Noam Horovitz Moderated by Tom Tiner, MVPPro Media
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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 Photoneo Svorad Stolic / Zebra Technologies Ritish Gupta
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:

Warren Clarck (IMVE)
Tom Tiner (MVPPro Media)
Dr. Paul-Gerald Dittrich (SpectroNet)
Dr. Suprateek Banerjee, Patrick Schwarzkopf, Anne Wendel (VDMA Robotics + Automation Association)

THURSDAY, 8 OCTOBER 2026

Start-Up Session

09:10 - 09:55	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 , JIAA 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 Technologies GmbH Maximilian Klammer
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 Moti Shtrobach

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 Ha Lan DO THU
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:

Dr. Paul-Gerald Dittrich (SpectroNet)
Dr. Suprateek Banerjee, Bernd Heitzmann, Anne Wendel (VDMA Robotics + Automation Association)