

Time schedule – Industrial VISION Days 2024

Time	Tuesday, 8 October 2024
09:05 - 09:10	VDMA Machine Vision ► Welcome and start of the Industrial VISION Days ► Anne Wendel
09:10 - 09:20	Teledyne FLIR IIS ► Reimagining Design-In Cycles. Accelerating Machine Vision! ► Sadiq Panjwani
09:20 - 09:40	Daheng Imaging ► UV, SWIR, Polarizing or just a normal B/W or color camera. What do I need? ► Gaspar van Elmbt
09:40 - 10:00	Helbling Technik Wil AG ► How well can a low-cost camera's image quality compete with an iPhone 15? ► Dr. Johannes Eckstein
10:00 - 10:20	Baumer Optronic GmbH ► Break the speed limit – GiGe Vision for Ultra-High-Speed Applications ► Mirko Benz
10:20 - 10:40	Chromasens GmbH ► Smart and compact line scan solutions for fast high-resolution applications ► Dr. Timo Eckhard
10:40 - 11:00	Prophesee ► Revolutionizing Industrial Automation with Event-Based Vision ► Gareth Powell
11:00 - 11:20	MVTec Software GmbH ► Reading the Unreadable: Deep OCR's Impact on Food Industry Challenges ► Jan Gärtner
11:20 - 11:40	Basler AG ► Optimizing Battery Cell Production: Combining Pre-Processing and AI with High-Speed Cameras ► Peter Behringer
11:40 - 12:00	Opto GmbH ► Fast Anomaly detection on technical surfaces ► Markus Riedi
12:00 - 12:20	Zebra Technologies ► The Cloud Will Deliver End-To-End AI Solutions For Machine Vision Users ► Donato Montanari
12:20 - 12:40	SICK Sensor Intelligence ► How scalable vision platforms help to unlock “Lot size one” ► Viktor Smedby
12:40 - 13:00	Schneider-Kreuznach (Jos. Schneider Optische Werke GmbH) ► Custom Lens Solutions: Boosting Precision in High-Tech Industries ► Magnus Greger
13:00 - 13:20	Midwest Optical Systems ► Optical Filters: Elevating Image Quality & System Protection ► Georgy Das
13:20 - 13:40	Optotune AG ► How Liquid Focus Tunable Lenses can boost vision tasks in automation ► Daniele Ghedalia
13:40 - 14:00	A3, CMVU, EMVA, JIAA and VDMA Machine Vision ► Global Vision Standards Update ► Dr. Suprateek Banerjee (VDMA) et al
14:00 - 14:20	Allied Vision Technologies GmbH ► Building Smart Vision systems utilizing standardized software ► Sebastian Günther
14:20 - 14:40	Sensor to Image, a Euresys company ► GiGe Vision 3.0: The Path to 100Gbit/s Data Rates ► Matthias Schaffland
14:40 - 15:00	Rauscher GmbH Bildverarbeitung ► The Power of Light in Machine Vision ► Andreas Huber
15:00 - 15:20	ProPhotonix ► Novel IR Multispectral Imaging Techniques ► Dr. Matthew Branch
15:20 - 15:40	TPL Vision (wenglor sensoric group) ► Illumination to Improve the Success of Vision-Guided Robotics Applications ► Jack McKinley
15:40 - 16:10	VISION Start-up pitch session Spectricity ► Miniaturized multi-spectral imager ► Henrik Andersen Medabsy ► Machine Vision Redefined: The Power of Digital Twins and synthetic Images ► Maximilian Grau PxE Holographic Imaging ► How RGB-IR-Depth at the cost of 2D cameras will revolutionize the market ► Yanir Hainick Quaesta AI ► Advanced Visual Inspection: Deep Learning and Neuromorphic Vision ► Luigi Malagò

- Session moderators
- Warren Clark (IMVE)

► Dr. Peter Ebert (inVISION)

► Dr. Paul-Gerald Dittrich (Spectronet)
- Dr. Suprateek Banerjee, Anne Wendel (VDMA Machine Vision)

► Dr. Martin Klenke, Mark Williamson (Board members of VDMA Machine Vision)

Time	Wednesday, 9 October 2024
09:15 - 10:00	VISION Start-up pitch session Mobile Vision Technology GmbH ► Make Visions Work – commercial hardware and AI in the vision context ► Dr. Karsten Königstein QDI systems ► Quantum dot SWIR cameras ► Juul Gielens DIVE imaging systems GmbH ► Integrated Hyperspectral Vision solutions for industrial inspection ► Dr. Philipp Wollmann Viziotix ► Finding Every Barcode in Automation Solutions ► David Downey PureSpectra Ltd. ► More Valuable data for applications using prism ► Dick Goudriaan
10:00 - 10:20	Opto Engineering ► Unveiling the invisible: polarized and SWIR imaging ► Matteo Ferrari
10:20 - 10:40	Spectricon ► New generation of tunable filter, full-frame, 4K snapshot spectral imagers ► Prof. Costas Balas
10:40 - 11:00	Specim, Spectral Imaging ► Beyond the visible? Advantages and applications of hyperspectral imaging ► Jörg Schmitz
11:00 - 12:00	VISION Award 2024 – finalists Presentation of the five finalists and selection of the winner Dariusz Hebisz (AiRob Vision Systems Sp. z o.o. – part of Fideltronik Group), Petra Thanner (AIT Austrian Institute of Technology), Simon Knapp (Murrelektronik GmbH), Yanir Hainick (PxE Holographic Imaging), Yusuke Kawachi (Toshiba Teli Corporation) Moderated by Warren Clark, Imaging and Machine Vision Europe
12:00 - 12:20	hema electronic GmbH ► The Fastlane to Vision Electronics: Modular Design in Hardware and Software ► Oliver Helze
12:20 - 12:40	Gidel ► How to Boost Your System Performance ► Reuven Weintraub
12:40 - 13:00	FRAMOS ► Fundamental Building Blocks for Successful Vision AI Systems ► Frederik Schönebeck
13:00 - 13:20	Aqrose GmbH ► Challenging AI application in end of line inspection of prismatic battery ► Yongsheng Wang
13:20 - 13:40	NET New Electronic Technology GmbH ► Efficient Integration of AI in Embedded Vision Applications ► Jens Will
13:40 - 14:00	Neadvance – Machine Vision S.A. ► niop – Leading the Low-Code Approach to Industry 4.0 ► Teresa Martins
14:00 - 14:20	Emergent Vision Technologies GmbH ► Navigating the Maze: Overcoming Challenges in Multi-Camera Applications ► Thomas Detjen
14:20 - 14:40	Optronis GmbH ► New 3-in-1 Matrix-Line-Scan Camera: Area/line-scan/multi-line-scan ► Dirk Schoch
14:40 - 15:00	LUCID Vision Labs, Inc. ► The Benefits of RDMA for 10GiE Cameras and Beyond ► Alexis Teissie
15:00 - 16:00	VDMA Machine Vision panel discussion VisionGPT: Generative AI for Machine Vision – dream or coming true? Eric Carey (Teledyne Imaging), Thies Möller (BASLER), Donato Montanari (ZEBRA Technologies), Dr. Olaf Munkelt (MVTec Software), Ronnie Vuine (Micropsi Industries) Moderated by Dr. Peter Ebert, inVISION
16:00 - 16:20	IDS Imaging Development Systems GmbH ► Which 3D Imaging Technique Is Right for You? ► Boris Duché
16:20 - 16:40	EVT – Eye Vision Technology GmbH ► Object detection for 3D bin-picking based on AI ► Michael Beising
16:40 - 17:00	onsemi ► Solutions to Challenges in Existing indirect Time of Flight (iToF) Designs ► Steve Harris

- Start-up pitch session

► 3D Imaging Technologies
- Machine Vision Applications (Robot Vision, Logistics, Food, Packaging...)

► Processor Technologies and Smart Cameras (Embedded Vision, IPC, GPU)

Time	Thursday, 10 October 2024
09:15 - 10:00	VISION Start-up pitch session Awentia Srl ► Streamline the customization of artificial vision solutions in your product ► Federico Frontali 24 VISION a.s. ► AI solutions: It's nice that you have it, but you also have to sell it ► Tomas Burda DENKweit GmbH ► Complex Vision AI solutions for large teams with different knowledge bases ► Dr. Dominik Lausch CRETEC – Creating Technologies GmbH ► Surface inspections with artificial intelligence for aluminum rims ► Alex Trebing Orama Solutions LLP ► ORAMA-I: Truly “No-Code”, Democratising Machine Vision ► Shrinarad Aggarwal
10:00 - 10:20	MBJ Imaging GmbH ► Make the invisible visible – Image generating system based on radar technology ► Eva Pribyla, Iven Kempf
10:20 - 10:40	MSTVision GmbH ► Improving computational imaging using new components and algorithms ► Michael Stelzl
10:40 - 11:00	EFFILUX ► Innovative Lighting for Harsh Environments in Food & Beverage Industry ► Tjark Nikolai
11:00 - 11:20	Teledyne e2v ► Identifying the most suitable technology for your 3D vision application ► Nicolas Saux
11:20 - 11:40	Photonoo ► Crossing 3D Limits for Robotic Picking of Transparent and Hidden Objects ► Svorad Stolic
11:40 - 12:00	AT – Automation Technology GmbH ► Raising 3D laser triangulation to a higher level ► Dr.-Ing. Athinodoros Klipfel
12:00 - 12:20	HAIP Solutions GmbH ► Next generation hyperspectral imaging technology in the SWIR range ► Tobias Kreklow
12:20 - 12:40	Balluff GmbH ► Image generating system based on radar technology ► Alexander Weber
12:40 - 13:00	EVK DI Kerschhaggl GmbH ► AI-Driven HSI: Opportunities & Challenges in Industrial Sorting ► Matthias Kerschhaggl
13:00 - 13:05	VISION Start-up 2024 Award Ceremony
13:05 - 13:20	Living Optics Ltd ► Raising a glass to snapshot spectral imaging in viticulture and beyond ► James Cooney
13:20 - 13:40	imec ► Drone-based corrosion monitoring of metallic towers using hyperspectral data ► Mina Zahiri
13:40 - 14:00	OPT Machine Vision GmbH ► Advanced Solutions in Tab Bending Detection for Machine Vision ► Markus Wicht
14:00 - 14:20	Micropsi Industries GmbH ► Autonomy for Robots ► Maximilian M. Mutschler
14:20 - 14:40	ISDI Ltd. & Tichawa ► Inside View of BergKristall Sensor and web inspection solutions with Contact Image Sensors ► Andrea Fant
14:40 - 15:00	Neurocle ► AI-in-One Auto DL Vision Software: From Model to Data-Centric features ► Hongsuk Lee
15:00 - 15:20	Vision & Control GmbH ► Lenses for special applications ► Andreas Wegner-Berndt
15:20 - 15:40	IOIP Optical Technology GmbH ► High Speed Autofocus by Pixel-level Computing Image Sensor and Liquid Lens ► Charles Chang
15:40 - 16:00	Vortex Optical Coatings Ltd ► Infra Red Filter Applications in Machine Vision ► Ian Reilly
16:00 - 16:20	Neosys Technology ► Elevating AI with GMSL Cameras: Insights into Enhanced Vision Technologies ► Bruce Pai
16:20 - 16:40	Efinix Inc ► Vision optimized FPGAs for intelligent edge camera application ► Harald Werner
16:40 - 17:00	wenglor sensoric group ► Modular software as an entry point into industrial image processing ► Patrick Schmidt

- Lighting systems and Illumination technologies

► Beyond the visible (Hyperspectral, LWIR, NIR, SWIR)
- Camera Technology

► Optics and Filters
- Machine Vision Software & AI

► Imaging Standards