

Time schedule – Industrial VISION Days 2022

Time	Tuesday, 4 October 2022	Hall 8, Stand C70
09:20-09:40	VISION 2022 - OPENING Overview of trade fair highlights and a market update Roland Bleinroth (Messe Stuttgart), Mark Williamson (VDMA Machine Vision)	
09:40-10:00	TKH Vision ▶ Simplified Solutions in an Increasingly Complicated Market ▶ Mark Radford	
10:00-10:20	Baumer GmbH ▶ Boost inspection with smarter and more powerful vision components ▶ Mirko Benz	
10:20-10:40	JAI A/S ▶ Big Trends in Small Cameras ▶ Mihály Baki	
10:40-11:00	Chromasens GmbH ▶ Vision Platform Approach – Rethinking Line scan Systems ▶ Dr. Klaus Riemer	
11:00-11:20	Zivid AS ▶ Understanding the Main Source of Error in Vision-Guided Robotics ▶ Øyvind Theie	
11:20-11:40	Liebherr-Verzahntechnik GmbH ▶ SMART Bin Picking with AI – Ready for implementation ▶ Agnes Schauptel	
11:40-12:00	Photoneo s.r.o. ▶ Color in Motion – The Next Big Thing in 3D Machine Vision ▶ Marcel Svec	
12:00-12:20	Neurala ▶ How Deep Learning and Vision AI are revitalizing Manufacturing ▶ Max Versace	
12:20-12:40	Robert Bosch GmbH ▶ Enabling Unique Product Traceability with AI ▶ Hamza Bilgen	
12:40-13:00	SICK AG ▶ Machine Vision beyond traditional limits ▶ Anders Gibeck	
13:00-14:00	VDMA Machine Vision panel discussion How smart are smart 2D/3D sensors? Mike Gonschior (ifm electronic GmbH), Mark Radford (LMI Technologies GmbH), Shane MacNamara (SICK AG), Martin Klenke (Teledyne Imaging) and Mark Williamson (STEMMER IMAGING) Moderated by Peter Ebert, inVISION	
14:00-14:20	MTD GmbH ▶ Multi- and Hyperspectral SWIR LED Line Light with Outstanding Performance ▶ Lorenz Diener	
14:20-14:40	Edmund Optics GmbH ▶ Standard Lenses, Custom Lenses – and is there something in between? ▶ Dr. Boris Lange	
14:40-15:00	Midwest Optical Systems, Inc. ▶ Consistent and High-Quality Imaging Made Easy With Optical Filters ▶ Georgy Das	
15:00-15:10	DENKweit GmbH ▶ Just press play – Vision AI with a few clicks ▶ Dr. Dominik Lausch	
15:10-15:20	sewts GmbH ▶ sewts – Pushing the Boundaries of Industrial Automation Technology ▶ Tim Doerks	
15:20-15:30	NaturalSelection.AI GmbH ▶ Artificial Intelligence for huge image data with consumer hardware ▶ Christophe Henry	
15:30-15:40	SixSense Pte Ltd ▶ SixSense – revolutionizing Industrial and Fabs Visual Inspection ▶ Akanksha Jagwani	
15:40-15:50	IUNA AI Systems GmbH ▶ IUNA AI Vision Systems: How we set new standards in visual quality assurance ▶ Samira Nabatian	
15:50-16:00	Oculi ▶ Oculi is putting the ‘Human Eye’ in AI ▶ Charbel Rizk	

Session moderators

- ▶ Anne Wendel, Patrick Schwarzkopf, Suprateek Banerjee (VDMA Robotics + Automation)
- ▶ Paul-Gerald Dittrich (SpectroNet) ▶ Peter Ebert (inVISION) ▶ David Loh (inspect)
- ▶ Warren Clark (IMVE)

Time	Wednesday, 5 October 2022	Hall 8, Stand C70
09:10-09:20	Covision Quality ▶ Covision Quality: Unsupervised machine learning to scale visual inspection ▶ Franz Tschimben	
09:20-09:30	36ZERO Vision – Deutschdata Karamat und Ziesche GmbH ▶ 36ZERO Vision – The Next Generation of Visual Quality Assurance ▶ Florian Ziesche	
09:30-09:40	HACARUS ▶ Using AI & Hyperspectral Image Analysis to Speed up Inspection by 600% ▶ Adrian Sossna	
09:40-09:50	3visionD ▶ Novel camera model for distortion free 3D vision ▶ Hrvoje Bilic	
09:50-10:00	Conundrum ▶ Conundrum Euler, AI defects detection system ▶ Serj Kozloff	
10:00-10:20	wenglor sensoric GmbH ▶ ShapeDrive G4: 3D sensor with integrated point cloud calculation ▶ Sascha Reinhardt	
10:20-10:40	AT – Automation Technology GmbH ▶ Custom Imager + Fast FPGA = Galactical WARP Speed ▶ Armin Jehle	
10:40-11:00	Nerian Vision GmbH ▶ Active stereo vision for cost-effective high-speed 3D sensing ▶ Dr. Konstantin Schauwecker	
11:00-12:00	VISION Award 2022 Presentation of the five finalists and selection of the winner Torben Karall (brighter AI), Mihajlo Rajlic (Edge Impulse), Corey Merchant (Kitov.ai), Alex Shulman (Saccade Vision Ltd.), Sam Wyman (SWIR Vision Systems, Inc.) Moderated by Warren Clark, Imaging and Machine Vision Europe	
12:00-12:20	Photonfocus AG ▶ High speed low-noise SWIR cameras for challenging traffic applications ▶ Mike Faulkner	
12:20-12:40	Laser 2000 GmbH ▶ Design of a multispectral system solution for measuring air pollution ▶ Alexandre Besson	
12:40-13:00	Emberion ▶ Broad spectral range VIS-SWIR cameras for machine vision ▶ Dr. Tapani Ryhänen	
13:00-13:20	MATRIX VISION GmbH ▶ The Expressway to Embedded Vision ▶ Olaf Reuter	
13:20-13:40	Basler AG ▶ A Flexible Ecosystem For Building Hybrid AI Vision Solutions ▶ Peter Behringer	
13:40-14:00	NET New Electronic Technology GmbH ▶ Ready to integrate Smart Vision Solution for your embedded system ▶ Tim Miller	
14:00-14:20	Teledyne FLIR ▶ Cameras Unite! What happens when great camera lines join forces? ▶ Riana Sartori	
14:20-14:40	IDS Imaging Development Systems GmbH ▶ New easiness of AI Vision with IDS NXT ▶ Martin Hennemann	
14:40-15:00	Prodrive Technologies B.V. ▶ Challenges in advanced camera applications ▶ Stan Geerts	
15:00-15:20	Euresys SA ▶ Standards in Action: Coaxlink QSFP+ – CoaXpress-over-Fiber ▶ Marc Damhaut	
15:20-15:40	Allied Vision Technologies GmbH ▶ Next level of multi-camera performance for GigE Vision ▶ Maximilian Poggensee	
15:40-16:00	IDS Imaging Development Systems GmbH ▶ Benefits of 10GigE as high speed vision standard ▶ Carsten Traupe	
16:00-16:20	VDMA, MVtec Software GmbH ▶ Building Machine Vision with Standardized Behavior and Interfaces ▶ Suprateek Banerjee, Ricardo Juárez Acuña	
16:20-16:40	Musashi AI ▶ New Advancements in Deep Learning to Improve Visual Inspection ▶ Saeed Bakhshmand	
16:40-17:00	Pleora Technologies ▶ Ensuring Quality with AI for Visual Inspection ▶ James Falconer	

Time	Thursday, 6 October 2022	Hall 8, Stand C70
09:10-09:20	HAIP Solutions GmbH ▶ Look beyond the visible – User-friendly Hyperspectral Imaging products ▶ Tobias Krecklow	
09:20-09:30	Lincode Labs Inc ▶ Lincode’s AI-based Visual Inspection System (LIVIS) ▶ Rajesh Iyengar	
09:30-09:40	Saccade Vision Ltd. ▶ Selective and locally optimized feature-based 3D scanning ▶ Alex Shulman	
09:40-09:50	visionary.ai ▶ Cut the noise – Solving image signal processor performance with AI ▶ Oliver Lythgoe	
09:50-10:00	Visometry GmbH ▶ AR for the Industrial Metaverse: Tracking Manufactured Items Via CAD Models ▶ Dr. Harald Wuest	
10:00-10:20	MVtec Software GmbH ▶ Deep Learning & AI combined with traditional methods facilitate automation ▶ Christian Eckstein	
10:20-10:40	SAC Sirius Advanced Cybernetics GmbH ▶ Challenges of Deep Learning Application in Surface Inspection ▶ Fernando Schneider	
10:40-11:00	Zebra Technologies ▶ From Barcode Reading to Vision to Deep Learning ▶ Jim Witherspoon	
11:00-11:20	Gpixel ▶ Latest developments in high throughput CMOS image sensors ▶ Wim Wuyts	
11:20-11:40	Teledyne DALSA ▶ Multi-Information Imaging Technologies ▶ Matthias Sonder	
11:40-12:00	RAUSCHER GmbH ▶ Making the invisible visible – SWIR Technology and Applications ▶ Andreas Huber	
12:00-12:20	MSTVision GmbH ▶ Computational imaging techniques for challenging surfaces ▶ Michael Stelzl	
12:20-12:40	Prophesee ▶ A World Between Frames: Event Cameras come of age for machine vision ▶ Gareth Powell	
12:40-13:00	IMAGO Technologies ▶ 7 tips to create an Embedded Vision System ▶ Carsten Strampe	
13:00-13:20	Photon etc. ▶ Autonomous mineral data logging using broadband hyperspectral imaging ▶ François-René Lachapelle	
13:20-13:40	imec ▶ How to turn hyperspectral imaging into a quick&easy tool for domain experts ▶ Wouter Charle	
13:40-14:00	Resonon Inc. ▶ Versatile and customizable hyperspectral machine vision ▶ Casey Smith	
14:00-14:20	Neadvance Machine Vision, SA ▶ A low-code approach to the digital economy ▶ Teresa Martins	
14:20-14:40	LUCID Vision Labs, Inc. ▶ The Advantages of JupyterLab for Machine Vision ▶ Alexis Teissie	
14:40-15:00	PSI FLS Fuzzy Logik & Neuro Systeme ▶ Optical inspection and quality control with AI-based software ▶ Frank Weber	
15:00-15:20	Teledyne e2v ▶ Tips on Finding the Right Optics for your Image Sensor ▶ Marie-Charlotte Leclerc & Pierre Fereyre	
15:20-15:40	Opto Engineering S.p.a. ▶ Benefits of area scan cameras with integrated liquid lens control ▶ Francesco Mondadori	
15:40-16:00	Excelitas Technologies ▶ How to find appropriate components for your Machine Vision challenges ▶ Arthur Stauder	

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- ▶ 3D
- ▶ Robot Vision
- ▶ Hyperspectral Imaging
- ▶ Camera Technology
- ▶ Optics and Illumination
- ▶ Software & Deep Learning
- ▶ Standards in Action
- ▶ Vision Processing (Embedded Vision, IPC, GPU)