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Digital Conference for Machine Vision November 30 – December 2, 2021



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Day 1: Cameras

Tuesday, 30. November

09:15		Welcome
09:20		Keynote: Deep insights into image sensors & interfaces
SESSION 1 Cameras		
10:00		Ready-made solutions with a machine vision one-stop-shop
10:25		Accelerate decision making with new SWIR technology
10:50		Global market trends for computer vision cameras
11:15		Machine vision on embedded systems: possibilities & limits
11:40		Q&A Session: Cameras
12:00		EMVA Vision Pitches – Part 1 12:00 – Silma, 12:10 – Unispectral, 12:20 – K/Lens
SESSION 2 Optics & Lenses		
12:30		Optical Filters and their Influence on the Imaging Chain
12:55		High resolution and high DoF lenses for blue LED-Light
13:20		Is there something between standard and custom lenses?
13:45		Q&A Session: Optics & Lenses
SESSION 3 High-Speed Vision		
14:00		Advanced 10GigE cameras to simplify integration
14:25		CoaXPress for high speed image acquisition
14:50		Multi-camera applications with 25, 50 and 100GigE vision
15:15		Q&A Session: High-Speed Vision
15:30		EMVA Vision Pitches – Part 2 15:30 – Photolitics, 15:40 – InBolt, 15:50 – TriEye
16:00	 	Panel Discussion: What will the camera of the future look like?

Day 2: Embedded Vision & AI

Wednesday, 1. December

09:15		Welcome
09:20		Keynote: Embedded vision & AI landscape 2025
SESSION 4 AI & Deep Learning		
10:00		Customize your AI vision without programming
10:25		Deep learning options for easier model training
10:50		Smarter AIoT solution service accelerates AI applications
11:15		Deep learning in embedded devices at the edge
11:40		Q&A Session: AI & Deep learning
12:00		EMVA Vision Pitches – Part 3 12:00 – Layer7 AI, 12:10 – preML, 12:20 – Brighter AI
SESSION 5 Smart Cameras		
12:30		Integrated machine vision without downtime
12:55		Easy-to-use smart cameras for Industry 4.0 and AI
13:20		Compact and powerful smart vision products
13:45		Q&A Session: Smart Cameras
SESSION 6 Embedded Vision		
14:00		The miniaturization of embedded vision solutions
14:25		Off-the-shelf FPGA IP cores for cameras and embedded vision
14:50		Modular hardware design: in six weeks to future-proof electronics
15:15		Q&A Session: Embedded Vision
15:30		EMVA Vision Pitches – Part 4 15:30 – deevio, 15:40 – GrAI Matter Labs, 15:50 – Caliber Data Labs
16:00	 	Panel Discussion: Machine vision 2025: At the edge or in the cloud?

Day 3: World of 3D

Thursday, 2. December

09:15		Welcome
09:20		Keynote: 3D-Multimodal imaging – status quo & developments
SESSION 7 Robot Vision		
10:00		Transform robotics with the power of sight
10:25		Light field for complex 3D robot vision tasks.
10:50		Simple spatial orientation for 3D robot vision
11:15		How to simplify your robot application using a smart 3D camera
11:40		Q&A Session: Robot Vision
12:00		EMVA Vision Pitches – Part 5 12:00 – Kitov.AI, 12:10 – Opteran, 12:20 – XTIA
SESSION 8 Profile Sensors		
12:30		Profile sensor features for easy integration
12:55		High-precision laser line detection with FPGA programming
13:20		How modular profile sensors open up new horizons for 3D
13:45		Q&A Session: Profile Sensors
SESSION 9 Bin Picking		
14:00		Industry proven bin picking solution with easy to use GUI
14:25		Unleashing the potential in on-arm mounted 3D vision robotics
14:50		New features for faster performance and simplified commissioning
15:15		Q&A Session: Bin Picking
15:30		EMVA Vision Pitches – Part 6 15:30 – Vathos, 15:40 – DreamVu, 15:50 – Fastree 3D
16:00	 	Panel Discussion: 3D for autonomous mobile robotics

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