

## 06. November 2018

Uhrzeit Time	STAGE 1 Halle 1, Stand Z75	Uhrzeit Time	STAGE 2 Halle 1, Stand A75
9:30-10:00	<b>Multi Camera Systems</b> Vasant Dasai, XIMEA	9:30-10:00	<b>There can be no light. How to select a better lighting solution in the machine vision application</b> Prof. Lu, OPT MACHINE VISION
10:00-10:30	<b>High-speed prism-based imaging: Adding versatility with a backwards compatible 10GigE interface</b> Paritosh Prayagi, JAI A/S	10:00-10:30	<b>Ringlight, Darkfield, Dome, Backlight – Every time a different light required?</b> Alexander Trebing, CRETEC GmbH
10:30-11:00	<b>Benefits of using polarization in machine vision applications</b> Tobias Schenk, Baumer Optronik GmbH	10:30-11:00	<b>Why digital lighting controllers and lighting become more and more important as part of IIoT-enabled automation solutions with machine vision</b> Ingmar Jahr, evotron GmbH & Co. KG
11:00-11:30	<b>Event-based vision enables a new computer vision paradigm based on how the human eye and brain work to dramatically improve the efficiency and intelligence of vision sensing and processing</b> Philippe Berger, PROPHESIEE	11:00-11:30	<b>Resolution or Detection? Specification of high resolution lenses</b> Thomas Schäffler, Qioptiq Photonics
11:30-12:00	<b>Witness, an autonomous camera integrated in a palm-sized sticker</b> Pascal Nussbaum, CSEM SA	11:30-12:00	<b>Choosing the Best Optical Filter for Your Application</b> Georgy Das, Midwest Optical Systems (MidOpt)
12:00-12:30	<b>Embedded Vision Solutions – state of the art, options and applications</b> Jan-Erik Schmitt, Vision Components GmbH	12:00-12:30	<b>Variable Focus, Adaptable Lenses for Machine Vision using Electrowetting Technology</b> Glenn-Iv Plaine, Corning
12:30-13:00	<b>New Generation of Camera Modules for Embedded and PC-based Vision Systems</b> Gion-Pitschen Gross, Allied Vision Technologies GmbH	12:30-13:00	<b>Liquid lenses for endocentric and telecentric optics</b> Mark Ventura, Optotica Switzerland AG
13:00-13:30	<b>Why use a PC-based Machine Vision system when there are smart cameras in the vision world?</b> Erik Seijner, AAION Technology Europe B.V.	13:00-13:30	<b>3D-Imaging with a Single Standard Camera Sensor</b> Dr. Klaus Illgner, K Lens GmbH
13:30-14:00	<b>How far can smart cameras go?</b> T. Eric Hopkins, Visics Corporation	13:30-14:00	<b>Autonomous Machine Vision Launches A New Era in Machine Vision</b> Harel Boren, Inspekto
14:00-15:00	<b>VDMA Panel Discussion: The Future of Vision – Are we entering a new era?</b> Andreas Franz, FRAMOS GmbH Olaf Munkelt, MVtec Software GmbH Klaus-Henning Noffz, Silicon Software GmbH Christian Ripperda, ISRA VISION AG Bahram Torabi, SICK AG Mark Williamson, STEMMER IMAGING AG Moderated by Joachim Hachmeister, inspect	14:00-14:30	<b>A novel Vision-System-on-Chip for embedded image acquisition and processing</b> Dr. Jens Döge, Fraunhofer Institute for Integrated Circuits IIS, Division Engineering of Adaptive Systems EAS
15:00-15:30	<b>How to deploy a deep learning solution for complex visual inspection?</b> Pierre Gutierrez, Scortex	14:30-15:00	<b>A very small, dust-care free optical connector for 10G+ machine vision applications</b> Dr. Hideki Kamitsuna, YOKOWO CO., LTD.
15:30-16:00	<b>NXT applications for on-camera neural networks</b> Robert-Alexander Windberger, IDS Imaging Development Systems GmbH	15:00-15:30	<b>Inline Computational Imaging Meets Convex Optimization</b> Univ.-Prof. Dipl.-Ing. Dr. techn. Thomas Pock, AIT Austrian Institute of Technology GmbH/TU Graz
16:00-16:30	<b>How mvIMPACT Configuration Studio simplifies the application of industrial vision systems</b> Carsten Friedrich, MATRIX VISION GmbH	15:30-16:00	<b>Optimized Design of 3D Laser Triangulation Systems</b> Dr.-Ing. Athinodoros Klipfel, AT – Automation Technology GmbH
16:30-17:00	<b>Using Deep Learning and Neural Networks – Learn How FLIR is Ready to Help with our Newest Technologies</b> Paul Kozik, FLIR Systems, Inc.	16:00-16:30	<b>High performance 3D imaging</b> Markus Weinhofer, SICK AG
		16:30-17:00	<b>3D Ultrasound Sensors for Mobile Field Robots</b> Felix Kaiser, Toposens GmbH

## 07. November 2018

Uhrzeit Time	STAGE 1 Halle 1, Stand Z75	Uhrzeit Time	STAGE 2 Halle 1, Stand A75
9:30-10:00	<b>Unlocking the value of industrial AIoT</b> Vanessa Kluge, IEI Integration Corp.	9:30-10:00	<b>PhoXi® 3D Camera – the highest resolution and highest accuracy area based 3D camera in the world</b> Jan Zizka, Photoneo
10:00-10:30	<b>webHMI – makes image processing more intuitive</b> David Buchanan, Vision & Control	10:00-10:30	<b>3D multi-stereo sensor with large measuring field realizes short scanning times with optimum precision</b> Holger Wirth, ISRA VISION AG
10:30-11:00	<b>Novel Machine Vision Cameras Featuring QoD Sensors for High Resolution, Lower Cost SWIR Imaging</b> Dr. Ethan Klem, SWIR Vision Systems Inc.	10:30-11:00	<b>Advanced 3D Inspection in Product Lifecycle Management</b> Markus Obwald, SAC Sirius Advanced Cybernetics GmbH
11:00-11:30	<b>Higher and Faster – New Architectures to Cover the Need</b> René von Fintel, Basler AG	11:00-11:30	<b>3DPIXI: Advantages of stereo line scan for 3D applications</b> Dr. Klaus Riemer, Chromasens GmbH
11:30-12:00	<b>Laser line technology for 3D vision</b> Thomas Ruhnau, Z-Laser Optoelektronik GmbH	11:30-12:00	<b>3D and snapshot hyperspectral cameras based on continuously variable filters</b> Dr.-Ing. Oliver Pust, Delta Optical Thin Film A/S
12:00-12:30	<b>A 400 KHz line rate 2048-pixel Stitched SWIR linear array</b> Raf Vandersmissen, Xenics nv	12:00-12:30	<b>Hyperspectral Machine Vision – smart automation for the future</b> Casey Smith & Ryan Anderson, Resonon (c/o Laser 2000)
12:30-13:00	<b>Industrial camera innovations beyond the mainstream – solve your applications more efficiently</b> Volker Zipprich-Rasch, Baumer GmbH	12:30-13:00	<b>New Algorithmic Approaches to Hyperspectral Data Processing</b> Dr. Jan Makowski, LuxFlux GmbH
13:00-13:30	<b>Smart GenCam</b> Kathrin Happel, IDS Imaging Development Systems GmbH	13:00-13:30	<b>Quantitative Chemical Imaging: Transfer of laboratory-based quality control into the production line</b> Dr. Matthias Kerschhaggl, EVK
13:30-14:00	<b>New CoaXPress 2.0 Vision Interface Standard Enables Faster, Higher Resolution Machine Vision and Video Applications</b> Marc Damhaut, EURESYS s.a.	13:30-14:00	<b>User-guided interpretation of spectral images with automatic machine learning</b> Dr. Pavel Paclik, perClass BV
14:00-14:30	<b>Achieving High-Performance Vision Processing for IoT Applications</b> Jérôme Jacquin, Qualcomm Technologies, Inc.	14:00-14:30	<b>Solutions for multispectral sorting applications</b> Michael Stelzl, MSTVision GmbH
14:30-15:00	<b>High-Performance optical filters for Machine Vision</b> Jeff Carmichael, Chroma Technology	14:30-15:30	<b>Global Vision Standards Update</b> Bob McCurrach (AIA), Yu Xiao Juan (CMVU), Jochem Herrmann (EMVA), Sachio Kiura (JIIA), Dr. Horst Heino-Heikkinen (VDMA), G3
15:00-15:30	<b>Embedded Machine Vision: Discover Real Time &amp; The Scalability of ARM CPU/Cameras</b> Carsten Strampe & Vivien Möslang, IMAGO Technologies GmbH	15:00-15:30	<b>Embedded Machine Vision: Discover Real Time &amp; The Scalability of ARM CPU/Cameras</b> Carsten Strampe & Vivien Möslang, IMAGO Technologies GmbH
15:30-16:00	<b>High-speed image acquisition with real-time GPU processing</b> Frans Vermeulen, Active Silicon Ltd.	15:30-16:00	<b>OPC UA Vision</b> Dr. Horst Heino-Heikkinen, VDMA
16:00-16:30	<b>ShapeDrive – The Powerful Art of 3D Measurement</b> Sascha Reinhardt, wenglor sensoric GmbH	16:00-16:30	<b>VDI/VDE/VDMA 2632: Ensuring your vision project is a success!</b> Prof. Dr.-Ing. Michael Heizmann, Karlsruher Institut für Technologie (KIT)
16:30-17:00	<b>Advanced Material Handling with New Sony DepthSense™ Time of Flight Technology</b> Jenson Chang, LUCID Vision Labs, Inc.	16:30-17:00	<b>AI-powered computer vision for content retrieval from photos of product packaging</b> Pawel Osterreicher, deepsense.ai Sp. z o.o.

## 08. November 2018

Uhrzeit Time	STAGE 1 Halle 1, Stand Z75	Uhrzeit Time	STAGE 2 Halle 1, Stand A75
9:30-10:00	<b>AI used in machine vision applications</b> Bill Ouyang, Beijing Microview Science and Technology Co., Ltd.	9:30-10:00	<b>EligoPart – das Komplettpaket für Pick &amp; Place</b> Christian Vollrath, attenra GmbH
10:00-10:30	<b>Real-world applications of deep learning tools in industrial vision systems</b> Michal Czardybon, Adaptive Vision	10:00-10:30	<b>Belt picking with TriSpectorP</b> Nina Hammerin, SICK AG
10:30-11:00	<b>Machine learning in industrial machine vision – challenges and application examples</b> Dr. Jon Vickers, STEMMER IMAGING AG	10:30-11:00	<b>Achieving True Human Machine Collaboration with Vision and Robotics</b> Arndt Neues, Omron Electronics GmbH
11:00-11:30	<b>Machine Learning für Make &amp; Model Recognition (MMR) mit Embedded Vision</b> Michael Beising, EVT Eye Vision Technology	11:00-11:30	<b>Real-time 3D Robot Vision using 3D Stereo Vision</b> Thor Vollset, Tordivel AS
11:30-12:00	<b>Deep Learning as Part of Modern Machine Vision Applications with MVtec HALCON 18.11</b> Johannes Hiltner, MVtec Software GmbH	11:30-12:00	<b>Think outside the box: A Scalable edge computing device for the Smart Factory</b> Christian Benderoth, LMI Technologies
12:00-12:30	<b>Industrial Cameras and Vision Systems: Market and Trends</b> Ute Häußler, FRAMOS GmbH	12:00-12:30	<b>Objective Zero defects: Microscopic resolution takes over on production lines</b> Cosimi Corleto, STIL SAS
12:30-13:00	<b>Cameras to Drive Next Generation Analytical Instruments: Scientific Machine Vision, 95% Quantum Efficiency and Computational Imaging</b> Dr. Steven Smith, Photometrics	12:30-13:00	<b>How to decrease the cost of quality by automating complex visual inspection?</b> Aymeric De Pontbriand, Scortex
13:00-13:30	<b>Multi-spectral line scan camera based on Hybrid TDI technology</b> Wojciech Majewski, vieworks	13:00-13:30	<b>Image recognition with Deep Neural Networks for inspection of medical products</b> Dr. Tassilo Christ, d-fine GmbH
13:30-14:00	<b>KB ViTA: Innovations in three spectral ranges</b> Maksim Bulatov, KB ViTA/Opto Lab UG	13:30-14:00	<b>Advanced Lens Selection – What MTF curves can and cannot tell you</b> Dr. Boris Lange, Edmund Optics
14:00-14:30	<b>Cost-effective uncooled InGaAs SWIR image sensors and how to use them in Machine Vision</b> Sébastien Frasse-Sombet, Sofradir	14:00-14:30	<b>Hyperspectral &amp; SWIR LED Illumination: Bridging the Gap between Spectral Imaging &amp; Industrial Automation</b> James Gardiner, Metaphase Lighting Technologies
14:30-15:00	<b>Going Polarized: Adding a New Perspective to Industrial Imaging</b> Nina Chen, LUCID Vision Labs, Inc.	14:30-15:00	<b>Correcting barrel distortion in wide angle images using Theia Technologies megapixel lenses with patented, all optical distortion correction technology</b> Mark Peterson, Theia Technologies
15:00-15:30	<b>VisualApplets 4 Deep Learning – CNNs enter Factory Floor</b> Michael Noffz, Silicon Software GmbH	15:00-15:30	<b>Flicker- and reflection-free multi-light illumination and other technologies to empower human and enhance machine vision</b> Andrei Lebedev, Octonus, Finland Oy
15:30-16:00	<b>How to best validate a deep-learning based vision application on the factory floor</b> Oliver Despont, Cognex Germany, Inc.	15:30-16:00	<b>3D Inspection of Mobile Glass Screens using Multiview Deflectometry</b> Dr. Tahir Rabbani, Viztronics Smart Solutions
16:00-16:30	<b>Deep Learning Vision Solutions in the Age of Industry 4.0</b> Donghee Lee, SUALAB Co., Ltd.	16:00-16:30	<b>How to succeed in robot automation using human-like 3D vision with excellent Quality of Data (QoD)</b> Henrik Schumann-Olsen, Zivid AS