4 November 2014

Uhrzeit Time	STAGE 1 Halle 1, Stand A75	Uhrzeit Time	STAGE 2 Halle 1, Stand E10
9:30–10:00	**The VDMA Market Survey: Machine Vision Approaching New Sales Record** Anne Wendel, VDMA Machine Vision		
10:00–10:30	**Heute habe ich die Produktion mit einem Multi-Kamera-System automatisiert** Dr. Ronald Müller, FRAMOS VISION4AUTOMATION	10:00–10:30	**New Optical CMOS Sensor Arrays for Time Correlated Detection** Dr. Andreas Spickermann, Fraunhofer IMS
10:30–11:00	**Formprüfung im Produktionstakt** Bernd Bieberstein, Fraunhofer-Institut für Produktionstechnik und Automatisierung IPA VISION4AUTOMATION	10:30–11:00	**Real Time Polarization Sensor Image Processing on an Embedded FPGA/Multi-Core DSP System** Dr. Marcus Bednara, Fraunhofer-Institut für Integrierte Schaltungen IIS
11:00–11:30	**A machine vision toolbox for every automation need – from optical sensor to camera system** Volker Zipprich-Rasch, Baumer Optronic GmbH VISION4AUTOMATION	11:00–11:30	**Compact Optical Pattern Recognition** Severine Cloix, CSEM SA
11:30–12:00	**Automatisierte Oberflächen-kontrolle von Bauteilen in Bewegung** VISION4AUTOMATION Dr. Christoph Wagner, SAC Sirius Advanced Cybernetics GmbH	11:30–12:00	**CMOS global shutter technology for specialized applications** Pieter Willems, CMOSIS
12:00–12:30	**Xenics Ruggedized LWIR Camera Serval for Industrial Vision and Process Automation in harsh environments** VISION4AUTOMATION Guido Deutz, Xenics	12:00–12:30	**Miniature Hyperspectral Imaging Cameras** Max Larin, XIMEA GmbH
12:30–13:00	**Programming Object Recognition Algorithms in Heterogeneous Systems** Yvonne Lin, Xilinx	12:30–13:00	**Crowd Driven Computer Vision** Dr. Daniel Kondermann, Pallas Ludens GmbH
13:00–13:30	**Machine Vision Verification of 1D and 2D Barcodes with Simplified Machine Vision Software** Steven J. King, Microscan Systems BV	13:00–13:30	**Challenges and Requirements for Vision Systems in Micro Manufacturing** Daniel Weimer, Bremer Institut für Produktion und Logistik GmbH an der Universität Bremen
13:30–14:00	**Innovations for intelligent traffic monitoring in complex light conditions, and for disrupting line scan camera price/performance standards** Gareth Powell, e2v semiconductors TRAFFIC VISION	13:30–14:00	**Einsatz von Flächenbeleuchtungen zur Kantenerkennung: Technologien und Methoden im Überblick** Matthias Endig, SCHOTT AG
14:00–14:30	**LightBridge – Overcoming space and time** Michael Noffz, Silicon Software GmbH VISION4AUTOMATION	14:00–14:30	**Quality inspection and vision-guided robotics in the AgriFood industry – examples from farm to table** Rick van de Zedde, Wageningen UR
14:30–15:00	**Developing high-end Vision Box for surface inspection systems** VISION4AUTOMATION Yukari Koyama, Futec Inc., Emi Eguchi, Silicon Software GmbH	14:30–15:00	**Effektive Bildverarbeitungslösungen für den Agrar- und Forsteinsatz** Lutz Brekerbohm, visiosens GmbH
15:00–15:30	**CARRIDA, a scalable ALPR/ANPR Engine optimized for Embedded ARM Platforms** Jan-Erik Schmitt, Vision Components GmbH TRAFFIC VISION	15:00–15:30	**3DV-E An Embedded, Dense Stereovision-based Depth Mapping Device** Luca Bombini, VisLab s.r.l.
15:30–16:00	**GigE Delivers Performance and Cost Advantages for Transportation Vision Systems** John Phillips, Pleora Technologies TRAFFIC VISION		

5 November 2014

Uhrzeit Time	STAGE 1 Halle 1, Stand A75	Uhrzeit Time	STAGE 2 Halle 1, Stand E10
10:00–10:30	**Hyperspectral imaging from Space to food** Marta Brusasca, 3D-ONE	10:00–10:30	**Global Machine Vision Standards Update** EMVA, AIA and JIIA
10:30–11:00	**New Generations of High Speed Line Scan Sensor Families** Stephan Voltz / Martin Wäny, AWAIBA GmbH	10:30–11:00	**Important Updates to AIA Vision Interface Standards** Bob McCurrach (AIA), Steve Kinney (JAI), Mike Miethig (Teledyne DALSA), Eric Carey (Teledyne DALSA), Eric Gross (National Instruments)
11:00–11:30	**Top 4 Reasons to Go the CMOS Way** René von Fintel, Basler AG	11:00–11:30	**Richtlinien zur Industriellen Bildverarbeitung: Erfolgreiche Projekte durch klare Kommunikation** Prof. Dr. Ralph Neubecker, Fraunhofer IOSB, Hochschule Darmstadt
11:30–12:00	**Imaging beyond the visible – An Overview of Short Wave Infrared (SWIR) Camera Technology for Machine Vision** Paul Maria Zalewski, Allied Vision Technologies GmbH	11:30–12:00	**GenICam 3.0? Faster, Smaller, 3D** Dr. Fritz Dierks, Chairman of the GenICam working group
12:00–12:30	**The benefits of using cameras with large pixel size in line scan vision applications.** Jari Löytömäki, JAI A/S	12:00–12:30	**How the new CoaXPress technology helps develop high-resolution and high-speed machine vision applications** Marc Damhaut, Euresys s.a.
12:30–13:00	**Reacting to changing machine vision needs by USB3.0 and Sony's next generation CMOS sensor** Shunsuke Oka, Toshiba Teli Corporation	12:30–13:00	**CLHS Product Update** Matrox PCO, Silicon Software and Teledyne DALSA
13:00–13:30	**How to select the right camera using the EMVA 1288 imaging performance standard** Vladimir Tucakov, Point Grey	13:00–13:30	**Autofocus Systems in Machine Vision** Thomas Schäffler, Qioptiq Photonics GmbH & Co KG
13:30–14:00	**Xapt Eye-sect Vision: Xapt Multisensor Technology combines many sensors to one board. The user has the benefit of a multicamera system but only needs to process one physical image** Sebastian Richter, Xapt GmbH	13:30–14:00	**C-Mount and M12 lenses with integrated Liquid Lens technology: fast and robust Auto Focus for demanding machine vision applications** Olivier Jacques-Sermet, Varioptic, a BU of Parrot SA
14:00–15:00	**Podium Discussion: Embedded, PC, Cloud? – What Comes Next for Machine Vision?** Participants: Dr. Kai Borgwarth, Pyramid Computer GmbH Dr. Dietmar Ley, Basler AG Dr. Klaus-Henning Noffz, Silicon Software GmbH Thomas Hörath, HEITEC AG Tomas Evensen, Xilinx Moderated by Anne Wendel, VDMA Machine Vision & Bernhard Schroth, inspect	14:00–14:30	**Micro-Vision-System mit integrierter flexibel steuerbarer Beleuchtung** Dr. Eberhard Jäger, FISBA OPTIK AG
15:00–15:30	**HALCON 12? Performanzsteigerung dank Standardsoftware** Dr. Olaf Munkelt, MVTec Software GmbH	14:30–15:00	**TAG Lens: Revolutionizing Imaging Optics With Ultra-High Speed Variable Focus** Christian Theriault, TAG Optics Inc.
15:30–16:00	**VisionBox – Computer Family for Embedded Vision** Oliver Barz, Imago Technologies GmbH	15:00–15:30	**Improve your vision application's performance through optical filtering** Jason Dougherty, Midwest Optical Systems, Inc.

6 November 2014

Uhrzeit Time	STAGE 1 Halle 1, Stand A75	Uhrzeit Time	STAGE 2 Halle 1, Stand E10
10:00–10:30	**Ringinspection checking in line at very high speed with very high accuracy 3d geometry conformity of annular and cylindrical shape parts** Marc Rosenbaum, Mesure-Systems3D	10:00–10:30	**3D Vision? An enabling Technology for Advanced Driver Assistance and Autonomous Offroad Driving** Christian Zinner, AIT Austrian Institute of Technology TRAFFIC VISION
10:30–11:00	**Neue Technologie zum Erkennen von 3D-Objekten mittels wahrnehmungsbasiertem Vision Sensor** Uwe Furtner, MATRIX VISION GmbH	10:30–11:00	**BlueOcean? – Next Generation Machine Vision for Automation** Dr. Markku Jaaskelainen, Kuvio Automation Ltd
11:00–11:30	**Stereo-Vision for High-Resolution 3D-Imaging** Rainer Voigt, Ensenso GmbH	11:00–11:30	**Effizientes Gestalten und Warten komplexer Vision Applikationen mit dem Cognex Designer** Thomas Nepstad, Cognex
11:30–12:00	**3D Sensorik für die vollautomatisierte industrielle Messtechnik: APS3D** Holger Wirth, ISRA VISION AG	11:30–12:00	**Novel approach to high security print inspection** Jan Friedrich, STEMMER IMAGING
12:00–12:30	**3D Bildverarbeitung mit Random Pattern Projektor (RPP)** Stephan Kennerknecht, Laser 2000 GmbH	12:00–12:30	**The cortex as blueprint for innovative smart line scan approaches. Benefits of the fully flexible smart camera solution Corsight to 1-dimensional vision tasks.** Tim Miller, NET New Electronic Technology GmbH
12:30–13:00	**Ein kombinierter 3D-Sensor zum gleichzeitigen Führen und Prüfen in 3D** Dr.-Ing. Torsten Gruhn, SmartRay GmbH	12:30–13:00	**How can machine learning help us to develop next generation applications?** Dr. Pavel Paclik, PR Sys Design
13:00–13:30	**Embedded-3-Vision** Oliver Menken, VRmagic	13:00–13:30	**Sortec at Vision 2014: the Groundbreaking Innovation in Machine Vision** Simone Romano, Sortec Srl
13:30–14:00	**3DPIXA: High resolution stereo cameras for fast and precise 3D and 2D measurements.** Dr. Klaus Riemer, Chromasens GmbH	13:30–14:00	**C-Bot, an automated robotic cell for applying physiotherapy treatments Robot guiding and safety in fenceless human-robot shared environment, based on sensor-driven 3D models and Msft's Kinect sensor** Ignacio Secades, Robotics Special Applications S.L. (Roboticssa)
14:00–14:30	**Chancen und Möglichkeiten von Echtzeit 3-D Kameras im Bereich Industrie 4.0** Dr.-Ing. Christian Schaller, Metrilus GmbH	14:00–14:30	**Coaching im Mittelstand** Dorothee Mayrhofer, beratungsgruppe wirth + partner
14:30–15:00	**3D Measurements with Stripe Projection Accuracy at Kinect Rate** Dr. Martin Schaffer, EnShape GmbH	14:30–15:00	**Highspeed RazerCam Smart Camera mit FPGA und EyeVision 3 Software** Michael Beising, EVT Eye Vision Technology GmbH
15:00–15:30	**USB Camera Technologies and its Applications** Yoshihiro Shimizu, Infinitegra, Inc.		