

# SCHEDULE

THURSDAY, 14.11.2019

## 8:45 – 9:55 am

Registration and exhibition

## 10:00 – 10:25 am

sCMOS cameras – what is the difference over CMOS Vieworks Co. Ltd.

Hyperspectral apps – vertical solutions for industry Perception Park GmbH

Calibration in machine vision – methods and requirements STEMMER IMAGING AG

Shape-from-Focus – an unexpected but powerful 3D imaging technology STEMMER IMAGING AG

Accelerating deep learning with hardware acquisition and pre-processing Silicon Software GmbH

Hands-on with the LMI Gocator (double session part 1) STEMMER IMAGING Ltd.

[Exhibition](#)

## 10:30 – 10:55 am

CAD-based 3D object recognition STEMMER IMAGING Ltd.

Tips for setting up an industrial embedded vision system Allied Vision Technologies GmbH

Lighting – a key enabler in machine vision applications CCS Europe N.V.

Hyperspectral imaging – future technology and applications STEMMER IMAGING Ltd.

Key features of a quality machine vision optical filter Midwest Optical Systems Inc.

Hands-on with the LMI Gocator (double session part 2) STEMMER IMAGING Ltd.

[Exhibition](#)

**11:00 – 11:25 am COFFEE BREAK**

## 11:30 – 11:55 am

Machine vision in challenging environments – which IP protection rating makes sense for my application? Autovimaton GmbH

Modular compact sensors: A new type of 3D laser triangulation sensor Automation Technology GmbH

What could be the reason? Troubleshooting machine vision applications STEMMER IMAGING AG

Embedded vision cookbook STEMMER IMAGING AG

Improving colour camera picture quality with oversampling Sony Corp.

Hands-on with Teledyne DALSA Sherlock (double session part 1) STEMMER IMAGING Ltd.

[Exhibition](#)

## 12:00 – 12:25 pm

Exploring the advantages of AI-enabled machine vision in intelligent manufacturing Adlink Technology Inc.

Prism-based multispectral imaging for machine vision applications JAI A.S.

Intrinsic calibration of light line sensors STEMMER IMAGING AG

Lasers for embedded vision Z-Laser GmbH

Deep learning as part of modern machine vision applications MVTec Software GmbH

Hands-on with Teledyne DALSA Sherlock (double session part 2) STEMMER IMAGING Ltd.

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**12:30 – 1:40 pm LUNCH BREAK**

# SCHEDULE

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## 1:45 – 2:10 pm

**Fabric recycling with NIR hyperspectral cameras** Specim Spectral Imaging Ltd.

**Vision systems of the future – a combination of technologies** Teledyne DALSA Inc.

**Classical 2D measurement using the example of connectors and pins** STEMMER IMAGING AG

**Modern vision application development and rapid prototyping in CVB with C++, .Net and Python** STEMMER IMAGING AG

**Practical aspects of time-of-flight imaging for machine vision** Odos Imaging

**Hands-on with MVTec Merlic (double session part 1)** MVTec Software GmbH

[Exhibition](#)

## 2:15 – 2:40 pm

**Modern measurement technologies using the example of connectors and pins** STEMMER IMAGING AG

**Improving productivity with high-quality, eye-safe 3D machine vision** Zivid

**A deeper understanding of some of the complexities within LED lighting control** Gardasoft Vision Ltd.

**Developing cost-effective multi-camera systems using MIPI sensor modules** The Imaging Source Europe GmbH

**Megatrends for the digitalisation of the Internet of Things and Industry 4.0 (double session part 1)** KUKA AG

**Hands-on with MVTec Merlic (double session part 2)** MVTec Software GmbH

[Exhibition](#)

## 2:45 – 3:10 pm

**The polarisation of light – making hidden things visible** STEMMER IMAGING AG

**Standards, system benefits drive convergence of machine vision, Industrial Internet of Things (IIoT)** Smart Vision Lights

**Machine learning basics – an introduction to the types of machine learning** STEMMER IMAGING Ltd.

**Scanning glass and specular surfaces with smart 3D technology** LMI Technologies Inc.

**Smart infrared cameras: A new technological approach to Industry 4.0** Automation Technology GmbH

**Current status of Industry 4.0 OPC UA TSN standardisation (double session part 2)** KUKA AG

[Exhibition](#)

**3:15 – 3:40 pm COFFEE BREAK**

## 3:45 – 4:10 pm

**But this can be easily seen – solution strategies for the selection of the ideal illumination** STEMMER IMAGING AG

**Next generation linescan imaging technologies** Teledyne DALSA Inc.

**Random bin picking: Last step for a complete factory automation process** Infaimon S.L.

**Influence of optical components on imaging performance** Jos. Schneider Optische Werke GmbH

**Neural networks – functionality and alternative approaches** STEMMER IMAGING Ltd.

**High performance SWIR cameras in machine vision and process control** Xenics N.V.

[Exhibition](#)

## 4:15 – 4:40 pm

**Get the glare out! New polarized sensors paired with LED lighting solutions** Metaphase Technologies Inc.

**Imaging trends in 2019 and beyond** Teledyne DALSA Inc.

**Creating robust machine vision systems with Windows IOT – Microsoft's embedded platform** STEMMER IMAGING Ltd.

**New method for surface inspection using structured illumination** SAC Sirius Advanced Cybernetics GmbH

**Performance comparison of different embedded processors** STEMMER IMAGING AG

**How small and large businesses can benefit from using cobots and vision** Universal Robots

[Exhibition](#)

**5:15 pm** Exhibition close