

# SCHEDULE

TUESDAY, 22.10.2019

## 09:30 – 09:55

**CAD-based 3D object recognition** STEMMER IMAGING AG  
**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 AG  
[Exhibition](#)

## 10:00 – 10:25

**Key features of a quality machine vision optical filter** Midwest Optical Systems Inc.  
**New method for surface inspection using structured illumination** SAC Sirius Advanced Cybernetics GmbH  
**Performance comparison of different embedded processors** STEMMER IMAGING AG  
**Get the glare out! New polarized sensors paired with LED lighting solutions** Metaphase Technologies Inc.  
**Imaging trends in 2019 and beyond** Teledyne DALSA Inc.  
[Exhibition](#)

## 10:30 – 10:55 COFFEE BREAK

## 11:00 – 11:25

**Machine vision in challenging environments – which IP protection rating makes sense for my application?** Autovimaton GmbH  
**Calibration in machine vision – methods and requirements** STEMMER IMAGING AG  
**Modular compact sensors: A new type of 3D laser triangulation sensor** Automation Technology GmbH  
**A deeper understanding of some of the complexities within LED lighting control** Gardasoft Vision Ltd.  
**Intrinsic calibration of light line sensors** STEMMER IMAGING AG  
[Exhibition](#)

## 11:30 – 11:55

**But this can be easily seen – solution strategies for the selection of the ideal illumination** STEMMER IMAGING AG  
**Exploring the advantages of AI-enabled machine vision in intelligent manufacturing** Adlink Technology Inc.  
**Vision systems of the future – a combination of technologies** Teledyne DALSA Inc.  
**Prism-based multispectral imaging for machine vision applications** JAI A.S.  
**Random bin picking: Last step for a complete factory automation process** Infaimon S.L.  
[Exhibition](#)

## 12:00 – 12:25

**Lasers for embedded vision** Z-Laser GmbH  
**Imaging without processing – recording image streams** STEMMER IMAGING AG  
**Deep learning as part of modern machine vision applications** MVTec Software GmbH  
**Fabric recycling with NIR hyperspectral cameras** Specim Spectral Imaging Ltd.  
**Influence of optical components on imaging performance** Jos. Schneider Optische Werke GmbH  
[Exhibition](#)

## 12:30 – 13:55 LUNCH BREAK

# SCHEDULE

TUESDAY, 22.10.2019

## 14:00 – 14:25 UHR

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

Next generation linescan imaging technologies Teledyne DALSA Inc.

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

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

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

[Exhibition](#)

## 14:30 – 14:55

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

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

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

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

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

[Exhibition](#)

## 15:00 – 15:25 COFFEE BREAK

## 15:30 – 15:55

Vision system validation CEI Components Express Inc.

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 AG

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

[Exhibition](#)

## 16:00 – 16:25

Embedded vision cookbook STEMMER IMAGING AG

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

Neural networks – functionality and alternative approaches STEMMER IMAGING AG

Hyperspectral apps – vertical solutions for industry Perception Park GmbH

[Exhibition](#)