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?  Autovimation 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
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

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

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

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