




















SCIENTIFIC VISION DAYS 2024

SCIENTIFIC EXCELLENCE ON STAGE at Booth 8C50









Tuesday, 08.10.2024

- | | | | |
|---|---|--|---|
|  10:00 | Evaluation and Qualification of High-Precision Measurement Principles
Reitberger Thomas, MicroEpsilon |  13:00 | Visual Inspection of Transparent Objects with Light Fields
Meyer Johannes, Fraunhofer IOSB |
|  10:20 | Ultra Compact Controller Platform for Smart Logistics Sorting System
Tran Nguyen Dung, NODKA |  13:20 | Localization of Fabrics with Computer Vision for Composite Manufacturing
Frommel Christoph, DLR |
|  10:40 | Advanced Industrial Inspection Using Zero Gravity 3D Technology
Soler Javier Perez, ITI |  13:40 | Sensor Realistic Synthetic Data Generation
Frommknecht Andreas, Fraunhofer IPA |
|  11:00 | Zero Defect Manufacturing for Thin Film Photovoltaics
Ginner Laurin, AIT |  14:00 | Perception for Logistics Operations in the Unstructured World
Murschitz Markus, AIT |
|  11:20 | What Is New About Release 4.1 of the Standard EMVA 1288? - Adaption to Modern Image Sensors
Jähne Bernd, EMVA |  14:20 | 3D Metrology of an Underground Man-Made Cave „Erdstall“ Using Optical Mobile Sensors
Niel Kurt, FH Wels |

Wednesday, 09.10.2024

- | | | | |
|---|---|--|---|
|  10:00 | 3D Scanning in Plasma Arc Welding Scenarios
Eugui Pablo, AIT |  13:00 | A Novel, Multisensorial, Robotic, High-Content Screening Microscope
Balas Costas, Spectricon & TUC |
|  10:20 | The Lens as a Key Factor in Challenging Imaging Applications
Mahler Steffen, Schneider-Kreuznach |  13:20 | Visual Quality Inspection Planning: Enhancing Performance Through Robotics and Computer Vision Synergy
Staderini Vanessa, AIT |
|  10:40 | Landscape of Synthetic Images for Machine Vision
Gospodnetic Petra, Fraunhofer ITWM |  13:40 | Image-Based Metrology Through Talbot-Diffracted Shadow Imaging
Maamari Nadim, CSEM |
|  11:00 | Advancing 3D Vision for Robotic Handling of Transparent and Occluded Objects
Stolc Svorad, Photoneo |  14:00 | Maximizing Inspection Accuracy- Bridging Gaps with Advanced AI Algorithms and Generative Models
Lee Hongsook, Neurocole |
|  11:20 | Digital Twins in Machine Vision Applications
Wanner Sven, Artificial Pixels |  14:20 | Synthetic Data Generation for AI-Based Automation in Quality Inspection and Object Detection
Effenberger Ira, Fraunhofer IPA |

Thursday, 10.10.2024

- | | | | |
|---|---|--|---|
|  10:00 | 2D Monitoring in Arc Welding Scenarios
Michno Tomasz, AIT |  13:00 | Optical Determination of Rotation Angle and Torque Using Feature-Based Image Matching
Lorenz Eike, Int. Produktion Europa |
|  10:20 | From Reliable Scene Understanding to Enhanced 3D Reconstruction
Gasperini Stefano, VisualAIs & TUM |  13:20 | Super-Fast Line Scanning with a Virtual Line Rate Greater than 1 MHz
Bodenstorfer Ernst, AIT |
|  10:40 | Multi-Modal Vision Sensors for Process Control of Carbon Fibre Parts Manufacturing
Eitzinger Christian, Profactor |  13:40 | Prospects of Deep Learning for Surface Inspection in the Presence of Synthetic Data
Fulir Juraj, Fraunhofer ITWM |
|  11:00 | Sensor-Based Sorting Technology in the Recycling Industry – an Overview
Eckert Alexander, AIT |  14:00 | Inline Defect Classification Using Photometric Stereo in Battery Electrode Production
Kapeller Christian, AIT |
|  11:20 | Advanced Visual Inspection: Deep Learning and Neuromorphic Vision
Malago Luigi, Quaesta | | |

