

27.11.2024

Workshoptag 2 (Mittwoch)

- 10:00 Towards a robust automated surface inspection method for CT-scanned cannulas
Humboldt-Universität zu Berlin und Bundesanstalt für Materialforschung und -prüfung; Germany
- 10:25 Schwingform-Projektion zur Berechnung von Ähnlichkeitsmaßen
GFal e.V.; Germany
- 10:50 Automatisierung von Lackierprozessen bei kleinen Losgrößen: Entwicklung eines Multikamerasystems zur Echtzeit-Erfassung manueller Sprühbahnen
GFal e.V.; Germany
- 11:05 **Kaffeepause**
- 11:30 **Rundgang**
- 12:00 **Schlusswort**
- 12:15 **Mittagspause**
- 13:00 **Begrüßung AI4EA**
- 13:15 An Object-Based Approach for Classifying Flake Graphite Cast Iron Micrographs through Semantic Segmentation
GFal, Germany
- 13:45 Enhancing Investment Casting Quality Control: AI-Driven Defect Detection on Ceramic Shells in Investment Casting
Access e.V., Germany
- 14:15 Feedback-driven object detection and iterative model improvement for accurate annotations
HTW Berlin, Germany
- 14:45 AI-based Real-Time Analysis of Sawing Processes for the Identification of Materials
Forschungsgemeinschaft Werkzeuge und Werkstoffe e.V. und Universität Stuttgart, Germany
- 15:15 **Kaffeepause**
- 15:35 Optimizing Energy Usage through Real-Time Vacancy Detection
Randstad Technologies, United States
- 15:55 Finding Predictive Features for Energy Consumption of CNC Machines
Karlsruhe Institute of Technology und Otto von Guericke University Magdeburg, Germany
- 16:25 Low-Cost Smart Sensor IIoT Platform for Real-Time Monitoring and Predictive Maintenance
Forschungsgemeinschaft Werkzeuge und Werkstoffe e. V., Germany
- 16:55 **Abendveranstaltung**

28.11.2024

Workshoptag 3 (Donnerstag)

- 09:30 **Begrüßung AI4EA**
- 09:40 Testing ML-based Systems Using Probabilistically Extended Ontologies
ITPower Solutions GmbH, Germany
- 10:10 Smarte Testauswahl für den CI-Prozess
IT-Entwicklung Dr. Michael Thess, Compleo Charging Solutions GmbH & Co.KG, Kostal Industrie Elektrik GmbH, ITPower Solutions GmbH
- 10:40 **Kaffeepause**
- 11:00 Humanity-Centered Production – a Spotlight on Future Productivity
TH Wildau, Germany
- 11:30 Improved Intrusion Detection using Genetic Algorithm and Principal Component Analysis for Dimensionality Reduction
Northwestern Polytechnical University, China
- 12:00 **Schlusswort**
- 12:15 **Impulsvortrag Bitkom**
- 13:00 **Mittagspause**
- 14:00 **Zuse-Clustertreffen**