XR5.0

USE CASES

1. XR-based Expert Maintenance as a Service for Remote Inspection and Maintenance
2. Immersive Retrofitting

USERS/ PERSONAS

Service Technician Expert, Field Service Technician, Equipment Operator

APPLICATION

XR-based Training Programs, Personalized Remote Assistance

RESEARCH AREAS

XR, AR/VR, Generative AI, DT

PILOT

Human Centred Remote Maintenance and Asset Management

AI-enhanced XR technologies to enable remote inspection and maintenance of laboratory instruments and to provide remote guidance to technicians for retrofitting tasks.

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SCHMIDT HAENSCH

oculavis

ΚΕΝΤΡΟ ΕΡΕΥΝΩΝ ΠΑΝΕΠΙΣΤΗΜΙΟΥ ΠΕΙΡΑΙΩΣ

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TECHNOLOGIES

Oculavis SHARE, Microsoft Azure AI Service, Meta Lama, Hololens 2

SOLUTIONS

1. Virtual assistance software utilizing Microsoft HoloLens 2 and mobile devices, seamlessly integrated with Retrieval-Augmented Generation (RAG) technology, for enhanced remote inspection and maintenance of laboratory instruments via advanced AR interfaces.

2. AR-app based on Microsoft HoloLens 2 using immersive and AI-enhanced augmented reality environments to provide remote guidance to technicians for retrofitting tasks.

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