

Session 2.2 + Elevator Pitches
Image processing based process and quality control

Time: Tuesday, 05.09.2023

Location: Humboldtbaubau, Lecture Room HU-201

Chairman: G. Notni (D-Ilmenau)

1:30 p.m.	R. Ramm, M. Preißler, C. Bräuer-Burchardt, S. Heist, P. Kühmstedt (D-Jena), G. Notni (D-Ilmenau)
Mobile 3D Sensor for Documenting Maintenance Processes of Large Complex Structures	
1:50 p.m.	D. Vehar, R. Nestler, K.-H. Franke (D-Ilmenau)
Capturing 3D textured inner pipe surfaces for sewer inspection	
2:10 p.m.	K. Anding, G. Polte, G. Notni, G. Polte (D-Ilmenau), D. Garten (D-Schmalkalden), E. Linss (D-Weimar)
Intelligent Classification and Data Augmentation for High Accuracy AI Applications for Quality Assurance of Mineral Aggregates	
Elevator Pitches	
Session 2.2	
2:50 p.m.	R. Illmann, R. Fütterer, M. Rosenberger, G. Notni (D-Ilmenau)
Investigation into the implementation of a multimodal 3D measurement system for a forestry harvesting process	
2:55 p.m.	M. Richter, M. Rosenberger, R. Illmann, G. Notni (D-Ilmenau), D. Buchanan (D-Suhl)
Suitability study for real-time depth map generation using the Stereomatcher in OpenCV and Python	
End of Session	
3:00 – 3:10 p.m. Coffee break and Visits of Expositions	

