

2. seminary on CoBotAGV project

<http://cobotagv.aei.polsl.pl/index.php/en/>

Wednesday, 18.05.2022 on HVL, Campus Førde, auditorium Førde, 10:00

opening of seminary	Rafal Cupek, SUT Marcin Fojcik, HVL	10:15
Utility-Oriented Techniques, Modeling, and Analytics	Jerry Chun-Wei Lin, HVL	10:30
Coffee break + discussion		11:30
WP1 - mobile collaborative robot integrated with the AGV platform		
Human-Robot Cooperation – methods and roles	Erik Kyrkjebø, HVL	12:00
Calibration of 2D LiDAR sensors	Piotr Biernacki, SUT	12:20
Using proximity sensors for AGV docking	Damian Grzechca, SUT	12:40
Coffee break + discussion		13:00
WP2 - integration between production stands and manufacturing services		
Simulation methods for autonomous vehicles - the concept of simulation in Gazebo	Jakub Szygula, SUT Dariusz Marek, SUT	13:15
Different approaches to wireless communication between AGV and standalone machine	Ireneusz Smolka, SUT	13:35
Grouping algorithms that operate on data stream	Tomasz Stenclik, SUT	13:55
Coffee break + discussion		14:15
Wireless network for AGV	Anne-Lena Kampen, HVL	14:30
WP3 - Business Intelligence services that support planning and optimizing logistics tasks, including maintenance activities		
Federated Learning and Deep Learning for AGV Anomaly Detection	Bohdan Shubin, SUT Daniel Kostrzewa, SUT	14:50
WP4 - system prototype verified and improved via development works based on industrial research		
Triangulation-based approach for enhancing AGV position using LIDAR and 2D markers	Jakub Musiał, AIUT	15:10
Closing of seminary	Rafal Cupek, SUT Marcin Fojcik, HVL	15:30

Registration of participation → marcin.fojcik@hvl.no