

Mahdi Vahdanjoo

Postdoc

Department of Electrical and Computer Engineering - Communication, Control
and Automation

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Aarhus N

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Qualifications

Robotics, PhD Diploma, Optimization and simulation algorithms in robotic system. , Aarhus University

1 Aug 2020 → 1 Aug 2023

Award Date: 31 Oct 2023

Master's degree, Business, Management, Marketing and Related Support Service, Stockholm, Sverige

2015 → 2016

MSc in Global Management of Innovation and Technology, Industrial Engineering and management, Lappeenranta
University of Technology

2014 → 2016

Bachelor's degree, Industrial Engineering, Islamic Azad University

2005 → 2009

Employment

Postdoc

Department of Electrical and Computer Engineering - Communication, Control and Automation

Aarhus University

Aarhus N, Denmark

15 Nov 2023 → present

Junior Research Assistant

Lappeenranta University of Technology

Lappeenranta, Finland

1 Jun 2015 → 1 Aug 2015

Production Planner

1 Jul 2011 → 1 Apr 2014

Internship

IKCO

Denmark

1 Jul 2009 → 1 Dec 2009

Research outputs

Three-dimensional area coverage planning model for robotic application

Vahdanjoo, M., Gislum, R. & Grøn Sørensen, C., Apr 2024, In: Computers and Electronics in Agriculture. 219, p. 1-15 15 p., 108789.

Estimating Fuel Consumption of an Agricultural Robot by Applying Machine Learning Techniques during Seeding Operation

Vahdanjoo, M., Gislum, R. & Grøn Sørensen, C., Mar 2024, In: AgriEngineering. 6, 1, p. 754-772 19 p.

Operational, Economic, and Environmental Assessment of an Agricultural Robot

Vahdanjoo, M., Oct 2023, Aarhus University. 229 p.

Operational, Economic, and Environmental Assessment of an Agricultural Robot in Seeding and Weeding Operations

Vahdanjoo, M., Gislum, R. & Grøn Sørensen, C., Mar 2023, In: AgriEngineering. 5, 1, p. 299–324 26 p., 5.

A System for Optimizing the Process of Straw Bale Retrieval

Vahdanjoo, M., Nørremark, M. & Grøn Sørensen, C., 10 Jul 2021, In: Sustainability. 13, 14, 19 p., 7722.

Novel Route Planning Method to Improve the Operational Efficiency of Capacitated Operations. Case: Application of Organic Fertilizer

Vahdanjoo, M. & Grøn Sørensen, C., Jun 2021, In: AgriEngineering. 3, 3, p. 458-477 19 p.

Route Planning for Agricultural Machines with Multiple Depots: Manure Application Case Study

Vahdanjoo, M., Zhou, K. & Grøn Sørensen, C., Oct 2020, In: Agronomy. 10, 10, 14 p., 1608.

Novel Route Planning System for Machinery Selection: Slurry Application

Vahdanjoo, M., Madsen, C. T. & Grøn Sørensen, C., Jul 2020, In: AgriEngineering. 2, 3, p. 408-429 21 p., 2.

An Arable Field for Benchmarking of Metaheuristic Algorithms for Capacitated Coverage Path Planning Problems

Khosravani Moghadam, E., Vahdanjoo, M., Jensen, A. L., Sharifi, M. & Grøn Sørensen, C., 2020, In: Agronomy. 10, 10, p. 1-18 18 p., 1454.