

AI functionalities in cobot-based manufacturing for performance improvement in quality control application

Moor, Madis; Sarkans, Martinš; Kangru, Tavo; Otto, Tauno; Riives, Jüri Journal of machine engineering 2024 / p. 5-16

<https://doi.org/10.36897/jme/189169> [Journal metrics at Scopus](#) [Article at Scopus](#)

Analysis of machine production processes by risk assessment approach

Mahmood, Kashif; Ševtšenko, Eduard Journal of machine engineering 2015 / p. 112-124 : ill

Collaboration Between Industrial, Collaborative, Humanoid Robots and Humans

Kekšin, Vjatšeslav; Ponomar, Sergei; Sarkans, Martinš; Kuts, Vladimir; Pavlov, Sergei Journal of Machine Engineering 2025 /

p. 100-110 : ill <https://doi.org/10.36897/jme/203790>

Combination of end-of-life strategies for extension of industrial equipment life cycle

Baškite, Viktoria; Moseichuk, Vadim; Karaulova, Tatjana Journal of machine engineering 2010 / 4, p. 76-88

<https://yadda.icm.edu.pl/baztech/element/bwmeta1.element.baztech-38f91b00-4a00-42c5-ab4e-089e3d5bea84>

Decision analysis in project management process

Kramarenko, Sergei; Ševtšenko, Eduard; Karaulova, Tatjana; Wang, Y. Journal of machine engineering 2008 / 2, p. 104-111

Digital Twin : industrial robot kinematic model integration to the virtual reality environment

Kuts, Vladimir; Cherezova, Natalia; Sarkans, Martinš; Otto, Tauno Journal of machine engineering 2020 / p. 53–64

<https://doi.org/10.36897/jme/120182> [Journal metrics at Scopus](#) [Article at Scopus](#)

Digital twin based synchronised control and simulation of the industrial robotic cell using virtual reality

Kuts, Vladimir; Otto, Tauno; Tähemaa, Toivo; Bondarenko, Yevhen Journal of machine engineering 2019 / p. 128–145 : ill

<https://doi.org/10.5604/01.3001.0013.0464> [Journal metrics at Scopus](#) [Article at Scopus](#)

Digitalisation of Supply Chain management system for customer quality service improvement

Ševtšenko, Eduard; Maas, Rene; Murumaa, Lea; Karaulova, Tatjana; Raji, Oluwole Ibrahim; Popell, Janek Journal of machine

engineering 2022 / p. 78-90 : ill <https://doi.org/10.36897/jme/147803> [Journal metrics at Scopus](#) [Article at Scopus](#)

Do we need capabilities in our management system?

Kangilaski, Taivo; Ševtšenko, Eduard Journal of machine engineering 2017 / p. 88-100 : ill

http://www.not.pl/wydawnictwo/abstract_2017_en.html https://wydawnictwo.not.pl/2017JOM/V1/8_KANGILASKI.pdf [Journal metrics at Scopus](#)
[Article at Scopus](#)

IDSS as a tool for project management in a collaborative network of SME-s

Ševtšenko, Eduard; Karaulova, Tatjana; Kramarenko, Sergei; Wang, Y. Journal of machine engineering 2007 / 2, p. 96-104

Increasing of rapid prototyping performance by 3D printing technologies

Sonk, Kaimo; Matsi, Birthe; Otto, Tauno; Roosimölder, Lembit Journal of machine engineering 2009 / 1S, p. 121-129

Industrial collaborative robot digital twin integration and control using robot operating system

Diachenko, Danyl; Partyshev, Andriy; Pizzagalli, Simone Luca; Bondarenko, Yevhen; Otto, Tauno; Kuts, Vladimir Journal of

Machine Engineering 2022 / p. 57 - 67 <https://doi.org/10.36897/jme/148110> [Journal metrics at Scopus](#) [Article at Scopus](#)

Intelligent functions development on autonomous electric vehicle platform

Wang, Ruxin; Sell, Raivo; Rassõlkin, Anton; Otto, Tauno; Malayjerdi, Ehsan Journal of machine engineering 2020 / p. 114-125

<https://doi.org/10.36897/jme/117787> [Journal metrics at Scopus](#) [Article at Scopus](#)

Knowledge based manufacturing systems

Baškite, Viktoria; Moseichuk, Vadim; Karaulova, Tatjana Journal of machine engineering 2009 / 4, p. 94-106

Knowledge representation and their applying to fixture design

Nekrassov, Grigori; Portjanski, Leonid Journal of machine engineering 2008 / 4, p. 99-110 : ill

<https://bibliotekanauki.pl/articles/1429178>

Manufacturing projects cash-flow dynamics and risk management

Ševtšenko, Eduard; Karaulova, Tatjana; Kramarenko, Sergei; Wang, Y. Journal of machine engineering 2009 / 1, p. 91-102

<https://bibliotekanauki.pl/articles/971240>

Methods for enhancing productivity and work efficiency in the workshop

Riives, Jüri; Otto, Tauno; Lõun, Kaia Journal of machine engineering 2007 / 2, p. 86-95

Model based enterprise manufacturing capacity definition and product cost estimation for SME

Sahno, Jevgeni; Polyantchikov, Igor; Pribytkova, Marina; Ševtšenko, Eduard Journal of machine engineering 2011 / p. 23-34

https://www.researchgate.net/publication/265241795_Model_based_enterprise_manufacturing_capacity_definition_and_product_cost_estimation_for_SME

Parametric digital twin of autonomous electric vehicle transmission

Rassõlkin, Anton; Rjabtšikov, Viktor; Kuts, Vladimir; Kudelina, Karolina; Vaimann, Toomas; Kallaste, Ants; Partyshev, Andriy Journal of machine engineering 2021 / p. 131-140 : ill <https://doi.org/10.36897/jme/134435> [Journal metrics at Scopus](#) [Article at Scopus](#)

Production intralogistics automation based on 3D simulation analysis

Mahmood, Kashif; Karjust, Kristo; Raamets, Tõnis Journal of machine engineering 2021 / p. 102-115 : ill <https://doi.org/10.36897/jme/137081> [Journal metrics at Scopus](#) [Article at Scopus](#)

Robot manipulator usage for measurement in production areas

Kuts, Vladimir; Tähemaa, Toivo; Otto, Tauno; Sarkans, Martinš; Lend, Henri Journal of machine engineering 2016 / p. 57-67 : ill http://www.not.pl/wydawnictwo/2016JOM/V1/6_KUTS.pdf