

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](#)

An approach to analyze the performance of advanced manufacturing environment

Mahmood, Kashif; Otto, Tauno; Golova, Jelena; Kangru, Tavo; Kuts, Vladimir Procedia CIRP 2020 / p. 628–633

<https://doi.org/10.1016/j.procir.2020.04.042> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Design of the exterior-rotor PM synchronous motor for an electric powered paraglider

Nukki, Rene; Lehtla, Tõnu; Kilk, Aleksander; Kangru, Tavo 2015 56th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2015 / p. 245-248 : ill

Development of intelligent manufacturing cell structure for SME digital manufacturing hub = Intelligentse robot-tootmise struktuuri arendus väike- ja keskmise suurusega ettevõtete digitaalsete töökohtade tarbeks

Kangru, Tavo 2021 https://www.ester.ee/record=b5396857*est <https://digikoju.taltech.ee/et/Item/999c711f-5ccf-4195-9188-c919894cc7ce>
<https://doi.org/10.23658/taltech.7/2021>

Development of performance evaluation model for a robot-based manufacturing cell

Kangru, Tavo 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 101-102

https://www.ester.ee/record=b5183874*est

Doktoritöö ulatab robottöökohti loovatele ettevõtetele abikäe [Võrguväljaanne]

Harrik, Airika; Kangru, Tavo novaator.err.ee 2021 / fot [Doktoritöö ulatab robottöökohti loovatele ettevõtetele abikäe](#)

Intelligent decision making approach for performance evaluation of a robot-based manufacturing cell

Kangru, Tavo; Riives, Jüri; Otto, Tauno; Pohlak, Meelis; Mahmood, Kashif ASME 2018 International Mechanical Engineering Congress and Exposition : Pittsburgh, Pennsylvania, USA, November 9–15, 2018 2018 / Paper No. IMECE2018-86666, pp.

V002T02A092; 10 p. : ill <http://doi.org/10.1115/IMECE2018-86666>

Knowledge-driven based performance analysis of robotic manufacturing cell for design improvement

Kangru, Tavo; Mahmood, Kashif; Otto, Tauno; Moor, Madis; Riives, Jüri ASME 2020 : International Mechanical Engineering Congress and Exposition, November 16–19, 2020 : Virtual, Online : proceedings 2020 / Paper No: IMECE2020-23541,

V006T06A032 ; 8 p <https://doi.org/10.1115/IMECE2020-23541>

Optimisation of decision-making process in industrial robot selection

Kangru, Tavo; Riives, Jüri; Otto, Tauno; Kuts, Vladimir; Moor, Madis Journal of the machine engineering 2020 / p. 70–81

<https://doi.org/10.36897/jme/117788> [Journal metrics at scopus](#) [Article at Scopus](#)

Reconstructing a manufacturing laboratory to a learning factory : a TTK UAS case study

Kangru, Tavo; Moor, Madis; Rudz, Andrei; Jänes, Aleksander Journal of Machine Engineering 2024 / p. 133-140

<https://doi.org/10.36897/jme/191243> [Journal metrics at Scopus](#) [Article at Scopus](#)

Suitability analysis of using industrial robots in manufacturing

Kangru, Tavo 19th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Tartu, Estonia, January 14-17, 2020 2020 / p. 87-88 : ill https://www.ester.ee/record=b5291755*est

Suitability analysis of using industrial robots in manufacturing

Kangru, Tavo; Riives, Jüri; Mahmood, Kashif; Otto, Tauno Proceedings of the Estonian Academy of Sciences 2019 / p. 383–388 : ill http://www.kirj.ee/32687/?tpl=1061&c_tpl=1064 <https://doi.org/10.3176/proc.2019.4.06> [Journal metrics at Scopus](#) [Article at Scopus](#)

[Journal metrics at WOS](#) [Article at WOS](#)

The mobility of robotised work cells in manufacturing

Vaher, Kristo; Kangru, Tavo; Otto, Tauno; Riives, Jüri Proceedings of the 30th International DAAAM Symposium : Intelligent Manufacturing & Automation, 23-26th October 2019, Zadar, Croatia 2019 / p. 1049-1055 : ill

<https://doi.org/10.2507/30th.daaam.proceedings.146>