

**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>

**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](#)

**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](#)

**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](#)