

Adaptive industrial robots using machine vision

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Application of Mindlin Theory to Describe the Scattering of Guided Waves From Notches in a Plate

Rasheed, Usman; Lints, Martin; Ratassepp, Madis ASME 2022 49th Annual Review of Progress in Quantitative Nondestructive Evaluation (QNDE2022) 2022 <https://event.asme.org/Events/media/library/resources/qnde/QNDE-2022-Final-Program.pdf> <https://qnde.secure-platform.com/a/solicitations/178/sessiongallery/11537/application/98050>

Collision consequence assessment of ROPAX vessels operating in the Baltic Sea

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Deposition of fine solid particles in laminar flat-plate boundary layers [Electronic resource]

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Digital Twin : concept of hybrid programming for industrial robots - use case

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Digital Twin : universal user interface for online management of the manufacturing system

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Digital twin simulations based reinforcement learning for navigation and control of a wheel-on-leg mobile robot

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

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

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Multitier digital twin approach for agile supply chain management

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Novel digital twin concept for industrial application. Study case: propulsion drive system

Jegorov, Sergei; Rassõlkin, Anton; Rjabtšikov, Viktor; Ibrahim, Mahmoud; Kuts, Vladimir Proceedings of ASME 2022 International Mechanical Engineering Congress and Exposition (IMECE2022), 2B: Columbus, Ohio, USA, October 30 - November 3, 2022 2022 / art. IMECE2022-97243, V02BT02A011, 6 p. <https://doi.org/10.1115/IMECE2022-97243>

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Planning and acquisition of real-time production data through the virtual factory in chemical industry

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SMA-based haptic gloves usage in the smart factory concept : XR use case

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Treatment of bending deformations in maritime crash analyses

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Water hammer and column separation due to accidental simultaneous closure of control valves in a large scale two-phase flow experimental test rig

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