

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

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Forestry crane immersive user interface for control and teleoperation

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

Jegorov, Sergei; Rassõlkin, Anton; Rjabtšikov, Viktor; Mohamed, Mahmoud Ibrahim Hassanin; 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>

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

Srivastava, Rupal; Kuts, Vladimir; Souza Gouveia, E. L.; Murray, Niall; Devine, Declan; O'Connell, Eoin Proceedings of ASME 2022 International Mechanical Engineering Congress and Exposition (IMECE2022), 2B: Columbus, Ohio, USA, October 30 - November 3, 2022 2022 / art. IMECE2022-94305, V02BT02A017, 10 p <https://doi.org/10.1115/IMECE2022-94305>