

Active and reactive power control of DFIG using optimized fractional order-PI controller

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Conceptual test bench for small class unmanned autonomous vehicle performance estimation

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Cyber-physical control system for autonomous logistic robot

Pikner, Heiko; Sell, Raivo; Karjust, Kristo; Malayjerd, Ehsan; Velsker, Tarmo 2021 IEEE 19th International Power Electronics and Motion Control Conference, The Silesian University of Technology Gliwice, Poland, 25 - 29 April, 2021 (PEMC) : proceedings 2021 / p. 699-704 : ill <https://doi.org/10.1109/PEMC48073.2021.9432526>

Design and testing of an universal autonomous surface vehicle

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Development of digital twin for robotic arm

Bratchikov, Stepan; Abdullin, Artur; **Demidova, Galina**; Lukichev, Dmitry 2021 IEEE 19th International Power Electronics and Motion Control Conference, The Silesian University of Technology Gliwice, Poland, 25 - 29 April, 2021 (PEMC) : proceedings 2021 / p. 717-723 <https://doi.org/10.1109/PEMC48073.2021.9432535>

Heat pump induction motor faults caused by soft starter topology — case study

Kudelina, Karolina; Vaimann, Toomas; Rassõlkin, Anton; Kallaste, Ants; Huynh, Van Khang 2021 IEEE 19th International Power Electronics and Motion Control Conference, The Silesian University of Technology Gliwice, Poland, 25 - 29 April, 2021 (PEMC) : proceedings 2021 / p. 454-459 : ill <https://doi.org/10.1109/PEMC48073.2021.9432506>

IoT based tools for data acquisition in electrical machines and robotics

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Optimal fractional order PI controller for field oriented current control of switched reluctance motor

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Proportional resonant controller tuning in three-phase four-leg VSI based on particle swarm optimization

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