

Conceptual modelling of an EV-permanent magnet synchronous motor digital twin

Ibrahim, Mahmoud; Rjabtšikov, Viktor; Jegorov, Sergei; Rassõlkin, Anton; Vaimann, Toomas; Kallaste, Ants 2022 IEEE 20th International Power Electronics and Motion Control Conference (PEMC) : Brasov, Romania, 25-28 Sept. 2022 : proceedings 2022 / p. 156-160 <https://doi.org/10.1109/PEMC51159.2022.9962943>

Digital Twin as a virtual sensor for wind turbine applications

Ibrahim, Mahmoud; Rassõlkin, Anton; Vaimann, Toomas; Kallaste, Ants; Zakis, Janis; Hyunh, Van Khang; Pomarnacki, Raimondas Energies 2023 / art. 6246 <https://doi.org/10.3390/en16176246>

Digital twin development of an EV-permanent magnet synchronous motor as a virtual torque sensor

Ibrahim, Mahmoud 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 23-24 https://www.ester.ee/record=b5504019*est

Digital twin service unit development for an EV induction motor fault detection

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Digital twin-based EV permanent magnet synchronous motor for condition monitoring

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EV-powertrain test bench for digital twin development

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ISEAUTO self-driving vehicle dynamic model verification

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

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Overview of digital twin platforms for EV applications

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Overview on digital twin for autonomous electrical vehicles propulsion drive system

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Validation of an EV-permanent magnet synchronous motor model based on analytical dynamic approach

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