

Achieving of Magnus effect with Agros Suite

Lukin, Aleksandr; Demidova, Galina; Rassölkin, Anton Periodica polytechnica electrical engineering and computer science 2021 / p. 131-137 : ill <https://doi.org/10.3311/PPee.17743> [Journal metrics at Scopus](#) [Article at Scopus](#)

Aggregated conducted electromagnetic interference generated by DC/DC converters with deterministic and random modulation

Loschi, Hermes; Smolenski, Robert; Lezynski, Piotr; Nascimento, Douglas; **Demidova, Galina** Energies 2020 / art. 3698 <https://doi.org/10.3390/en13143698>

Aggregated conducted electromagnetic interference generated by DC/DC converters with deterministic and random modulation

Loschi, Hermes; Smolenski, Robert; Lezynski, Piotr; Nascimento, Douglas; **Demidova, Galina** Industrial and Technological Applications of Power Electronics Systems 2021 / p. 331-339 <https://doi.org/10.3390/en13143698>

Case study of supplementary PMSM for low-speed wind turbine

Poliakov, Nikolai; Vorobev, Konstantin; **Demidova, Galina; Rassölkin, Anton**; Ramensky, Dmitry 2021 XVIII International Scientific Technical Conference Alternating Current Electric Drives (ACED) : proceedings 2021 / 5 p. : ill <https://doi.org/10.1109/ACED50605.2021.9462253>

Comparison of synchronous reluctance machine and permanent magnet-assisted synchronous reluctance machine performance characteristics

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Concept of hardware-in-the-loop test platform for microgrid with multi-agent approach

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Cylindrical blades Magnus wind turbine optimization and control system

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Development of digital twin for robotic arm

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Diagnostic possibilities of induction motor bearing currents

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Generative design in development of mechanical components for Magnus effect-based wind turbine

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Optimal control of automatic manipulator for elimination of galvanic line load oscillation

Autsou, Siarhei; **Rassõlkin, Anton;** Vaimann, Toomas; **Demidova, Galina;** Saroka, Viktor; Karpovich, Dzmitry; **Kallaste, Ants**
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Reducing of hanger-to-motor oscillations of galvanic line auto-operator

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Simulation of wind turbine vibrations

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Visual-interactive simulation models in electrical power engineering and mechatronics programs for distance education at ITMO university

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