

Advances in machine fault diagnosis

Vaimann, Toomas Applied sciences 2021 / art. 7348, 5 p <https://doi.org/10.3390/app11167348> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analysis of Industry 4.0 capabilities: a perspective of educational institutions and needs of industry

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Analyzing power and energy flexibilities by demand response in district heated buildings in Finland and Germany

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Analytical approach to investigate the effect of gas channel draft angle on the performance of PEMFC and species distribution

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Calculation method for plates with discrete variable thickness under uniform loading or hydrostatic pressure

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Common-mode voltage analysis and reduction for the quasi-Z-source inverter with a split inductor

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Cost savings and CO2 emissions reduction potential in the German district heating system with demand response

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Experimental study of uni- and bi-directional exchange flows in a large scale rotating trapezoidal channel

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Hybrid thermal model of a synchronous reluctance machine

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Language of driving for autonomous vehicles

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Optimizing the processing of shellfish (*Mytilus edulis* and *M. trossulus* Hybrid) biomass cultivated in the Low Salinity Region of the Baltic Sea for the extraction of meat and proteins

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Pavement distress detection with deep learning using the orthoframes acquired by a mobile mapping system

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Physics shapes signals in nerves

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Robust design optimization and emerging technologies for electrical machines: challenges and open problems

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Role of impinging powder particles on melt pool hydrodynamics, thermal behaviour and microstructure in laser-assisted DED process : A particle-scale DEM – CFD – CA approach

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Small magnus wind turbine : modeling approaches

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The cluster computation-based hybrid FEM–analytical model of induction motor for fault diagnostics

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Time dependency of current harmonics for switch-mode power supplies

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Towards improving the durability and overall performance of PV-ETICS by application of a PCM layer

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Transient modeling and recovery of non-stationary fault signature for condition monitoring of induction motors

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