

### **Additive manufacturing of electrical machines - towards the industrial use of a novel technology**

**Vaimann, Toomas; Kallaste, Ants** Energies 2023 / art. 544 <https://doi.org/10.3390/en16010544> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Model for energy management of residential building heating system**

**Gevorkov, Levon; Šmidl, Vaclav; Sirovy, Martin; Rassõlkin, Anton; Kallaste, Ants; Vaimann, Toomas** 2020 27th International Workshop on Electric Drives: MPEI Department of Electric Drives 90th Anniversary (IWED), Moscow, Russia, January 27-30, 2020 / 4 p <https://doi.org/10.1109/IWED48848.2020.9069503>

### **The oil spray cooling system of automotive traction motors : the state of the art**

**Ghahfarokhi, Payam Shams;** Podgornovs, Andrejs; **Kallaste, Ants;** Cardoso, Antonio J. Marques; Belahcen, Anouar; **Vaimann, Toomas** IEEE Transactions on Transportation Electrification 2023 / p. 428-451 <https://doi.org/10.1109/TTE.2022.3189596> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Oil spray cooling with hairpin windings in high-performance electric vehicle motors**

**Shams Ghahfarokhi, Payam;** Podgornovs, Andrejs; **Kallaste, Ants; Vaimann, Toomas; Belahcen, Anouar;** Cardoso, Antonio J. Marques 2021 28th International Workshop on Electric Drives : Improving Reliability of Electric Drives (IWED) 2021 / 5 p <https://doi.org/10.1109/IWED52055.2021.9376390>

### **Opportunities and challenges of utilizing additive manufacturing approaches in thermal management of electrical machines**

**Ghahfarokhi, Payam Shams;** Podgornovs, Andrejs; **Kallaste, Ants;** Cardoso, Antonio J. Marques; **Belahcen, Anouar; Vaimann, Toomas; Tiismus, Hans; Asad, Bilal** IEEE Access 2021 / art. 9364970, p. 36368-36381 : ill <https://doi.org/10.1109/ACCESS.2021.3062618> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Optimization of concentrated solar thermoelectric generator system for highest yearly electric output**

**Kütt, Lauri;** Millar, John; Lehtonen, Matti; Märss, Mairo 2015 56th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2015 / p. 139-144 : ill

### **Thermal management experience in GaN-based DC-DC converter**

**Mohseni, Parham; Husev, Oleksandr; Vinnikov, Dmitri** 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 6 p <https://doi.org/10.1109/CPE-POWERENG60842.2024.10604322>