

## Publications

### Refereed papers in international conferences and journals<sup>1</sup> since 1993

- [1] G. Brasseur, J. Lercher, „New opportunities and constraints emerging for carbon-neutral individual transport”, In Proceedings of the 42<sup>nd</sup> International Vienna Motor Symposium, ÖVK, ISBN 978-3-9504969-0-1, 2021-39, <https://vienna-motorsymposium.com>, 29-30. April 2021.
- [2] A. Siegl, M. Neumayer, T. Bretterklieber, T. Felsberger, G. Brasseur, „Autonomer Vibrationssensor für Hochspannungsleitungen“, In *Technisches Messen*, 87(s1), 2020, pp. S108–S113.
- [3] A. Siegl, M. Neumayer, T. Bretterklieber, T. Felsberger, G. Brasseur, „Self-sufficient vibration sensor for high voltage lines“, *AHMT – XXXIV Messtechnisches Symposium*, 1.9.2020.
- [4] M. Rath, R. Presmair, B. Schweighofer, G. Brasseur, “Feasibility evaluation of optoelectronic strain measurement for flywheel rotors”, In *Proceedings of the IEEE International Instrumentation and Measurement Technology Conference, I2MTC 2020*, 9128797.
- [5] M. Neumayer, T. Bretterklieber, G. Gruber, G. Brasseur, “Magnetic Energy Harvesting on Overhead High Voltage Lines: Weight Optimized Transformer Design for High Power Output”, In *Proceedings of the IEEE Instrumentation and Measurement Technology Conference, I2MTC 2020*, Dubrovnik, HR, Mai 25-28, 2020, pp. 1-6.
- [6] G. Brasseur, “Hochwirkungsgrad Hybridantrieb für nachhaltige Elektromobilität”, open access doi:[10.1553/0x003b46cd](https://doi.org/10.1553/0x003b46cd), Austrian Academy of Sciences, Feb. 5, 2020, pp. 1-36.
- [7] K. Reich, O. Oberzaucher, H. Hopitzan, G. Brasseur, „Ice Monitoring at Austrian Power Grid Status and Outlook”, In Proceedings of *Int. Workshop on Atmospheric Icing of Structures IWAIS 2019*, Reykjavik, IS, June 23-28, 2019, pp. 1-5.
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- [9] G. Gruber, B. Schweighofer, G. Brasseur, R. Basso, „Ion current measurement for parameter estimation in small two stroke engines”. In Proceedings of the IEEE Instrumentation and Measurement Technology Conference, I2MTC 2018, Houston, TX, USA, Mai 13-16, 2018, pp. 1-6.
- [10] W. Ebner, J. Fuchs, and G. Brasseur, “A model-based design approach for an electro-hydraulic system within automatic transmissions”. In *Proceedings of the 20th World Congress of the International Federation of Automatic Control*, Toulouse, France, July 9-14, 2017, pp. 7868-7873.
- [11] D. Lindenthaler, and G. Brasseur, “AC power measurements of electric drives: a method incorporating calorimetry and DC measurements only”. In *e&i - Elektrotechnik und Informationstechnik*. 134 (2017) 2, pp. 197-202.
- [12] T. Bretterklieber, M. Neumayer, M. Flatscher, A. Becke and G. Brasseur, “Model Based Monitoring of Ice Accretion on Overhead Power Lines”. In *Proceedings of the IEEE Instrumentation and Measurement Technology Conference, I2MTC 2016*, Taipei, Taiwan, May 23-26, 2016, pp. 803-807.
- [13] T. Gallien, and G. Brasseur, “State of charge estimation of a LiFePO<sub>4</sub> battery: A dual estimation approach incorporating open circuit voltage hysteresis”. In Proceedings of the IEEE Instrumentation and Measurement Technology Conference, I2MTC 2016, Taipei, Taiwan, May 23-26, 2016, pp. 1-6.

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<sup>1</sup> Refereed journal papers are printed in bold.

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