

Best Papers and Star Reviewers

The IEEE Power & Energy Society and the Editorial Board of the IEEE TRANSACTIONS ON ENERGY CONVERSION are committed to promote and acknowledge publishing excellence and wish to recognize high-quality papers. For the period 2020–2021, the following papers published in the IEEE TRANSACTIONS ON ENERGY CONVERSION have been selected by the Editorial Board for recognition of excellence in the field of electric machines and drives:

- 1) X. Song, C. Bühner, P. Brutsaert, A. Ammar, J. Krause, A. Bergen, T. Winkler, M. Dhalle, J. Hansen, A. V. Rebsdorf, S. Wessel, M. T. Brake, M. Bauer, J. Kellers, J. Wiezoreck, H. Pütz, H. Kyling, H. Boy, and E. Seitz, “Ground testing of the world’s first MW-class direct-drive superconducting wind turbine generator,” *IEEE Trans. Energy Conv.*, vol. 35, no. 2, pp. 757–764, Jun. 2020.
- 2) A. B. Kjaer, S. Korsgaard, S. S. Nielsen, L. Demsa, and P. O. Rasmussen, “Design, fabrication, test, and benchmark of a magnetically geared permanent magnet generator for wind power generation,” *IEEE Trans. Energy Conv.*, vol. 35, no. 1, pp. 24–32, Mar. 2020.
- 3) G. Bramerdorfer, “Effect of the manufacturing impact on the optimal electric machine design and performance,” *IEEE Trans. Energy Conv.*, vol. 35, no. 4, pp. 1935–1943, Dec. 2020.

For the same period 2020–2021, the Editorial Board has selected the following best papers published in the IEEE TRANSACTIONS ON ENERGY CONVERSION in the field of power generation and energy development:

- 1) P. Sun, J. Yao, Y. Zhao, X. Fang, and J. Cao, “Stability assessment and damping optimization control of multiple grid-connected virtual synchronous generators,” *IEEE Trans. Energy Conv.*, vol. 36, no. 4, pp. 3555–3567, 2021.
- 2) P. R. Massenio, D. Naso, F. L. Lewis, and A. Davoudi, “Data-driven sparsity-promoting optimal control of power buffers in DC microgrids,” *IEEE Trans. Energy Conv.*, vol. 36, no. 3, pp. 1919–1930, Sep. 2021.
- 3) W. Rui, S. Qiuye, Z. Pinjia, G. Yonghao, Q. Dehao, and W. Peng, “Reduced-order transfer function model of the droop-controlled inverter via Jordan continued-fraction expansion,” *IEEE Trans. Energy Conv.*, vol. 35, no. 3, pp. 1585–1595, Sep. 2020.

The Editorial Board of the IEEE TRANSACTIONS ON ENERGY CONVERSION would like to gratefully thank all the reviewers who have accepted to volunteer their time and efforts to assess and improve the articles submitted for publication in the journal. Without their work and expertise, it would not have been possible for the journal to maintain its high technical and scientific standards. In particular, the Editorial Board wishes

to acknowledge the contribution of some referees who have served the journal with a special dedication, providing very high-quality, timely and technically relevant reviews. The “star reviewers” nominated for the year 2021 are listed below.

Arsim Ahmedi
 Duke Alexander
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 Jan Barta
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 Gerd Bramerdorfer
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