

Editorial

Best Papers, Outstanding Associate Editors, and Outstanding Reviewers

THE Editorial Board of the IEEE TRANSACTIONS ON POWER SYSTEMS would like to recognize the following high-quality papers listed in chronological order published from 2019 through 2021:

- L. Che and M. Shahidehpour, “Adaptive formation of microgrids with mobile emergency resources for critical service restoration in extreme conditions,” *IEEE Trans. Power Syst.*, vol. 34, no. 1, pp. 742–753, Jan. 2019, doi: 10.1109/TPWRS.2018.2866099.
- J. Zhao, A. Gómez-Expósito, M. Netto, L. Mili, A. Abur, V. Terzija, I. Kamwa, B. Pal, A. K. Singh, J. Qi, Z. Huang, and A. P. Sakis Meliopoulos, “Power system dynamic state estimation: Motivations, definitions, methodologies, and future work,” *IEEE Trans. Power Syst.*, vol. 34, no. 4, pp. 3188–3198, Jul. 2019, doi: 10.1109/TPWRS.2019.2894769.
- A. Velloso, D. Pozo, and A. Street, “Distributionally robust transmission expansion planning: A multi-scale uncertainty approach,” *IEEE Trans. Power Syst.*, vol. 35, no. 5, pp. 3353–3365, Sep. 2020, doi: 10.1109/TPWRS.2020.2979118.
- T. Ding, M. Qu, C. Huang, Z. Wang, P. Du, and M. Shahidehpour, “Multi-period active distribution network planning using multi-stage stochastic programming and nested decomposition by SDDIP,” *IEEE Trans. Power Syst.*, vol. 36, no. 3, pp. 2281–2292, May 2021, doi: 10.1109/TPWRS.2020.3032830.
- V. Dvorkin, Jr., F. Fioretto, P. Van Hentenryck, P. Pinson, and J. Kazempour, “Differentially private optimal power flow for distribution grids,” *IEEE Trans. Power Syst.*, vol. 36, no. 3, pp. 2186–2196, May 2021, doi: 10.1109/TPWRS.2020.3031314.
- N. Hatziargyriou, J. Milanovic, C. Rahmann, V. Ajjarapu, C. Canizares, I. Erlich, D. Hill, I. Hiskens, I. Kamwa, B. Pal, P. Pourbeik, J. Sanchez-Gasca, A. Stankovic, T. Van Cutsem, V. Vittal, and C. Vournas, “Definition and classification of power system stability — Revisited & extended,” *IEEE Trans. Power Syst.*, vol. 36, no. 4, pp. 3271–3281, Jul. 2021, doi: 10.1109/TPWRS.2020.3041774.
- A. Venkatraman, U. Markovic, D. Shchetinin, E. Vrettos, P. Aristidou, and G. Hug, “Improving dynamic performance

of low-inertia systems through eigensensitivity optimization,” *IEEE Trans. Power Syst.*, vol. 36, no. 5, pp. 4075–4088, Sep. 2021, doi: 10.1109/TPWRS.2021.3062974.

- J. Su, H.-D. Chiang, and L. F. C. Alberto, “Two-time-scale approach to characterize the steady-state security region for the electricity-gas integrated energy system,” *IEEE Trans. Power Syst.*, vol. 36, no. 6, pp. 5863–5873, Nov. 2021, doi: 10.1109/TPWRS.2021.3081700.

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