

2023 Outstanding Papers, Reviewers, and Associate Editors

THE EDITOR-IN-CHIEF and Editorial Board of the IEEE TRANSACTIONS ON SMART GRID would like to recognize¹ and thank the following Authors, Reviewers, and Associate Editors for their outstanding contributions to the journal in 2023, as their efforts, together with those of all other Authors, Reviewers and Associate Editors, have helped to maintain, if not improve, the quality and relevance for which the journal is well known:

Ranked Papers:

- 1) Q. Hu et al., “Grid-Forming Inverter Enabled Virtual Power Plants With Inertia Support Capability,” *IEEE Transactions on Smart Grid*, vol. 13, no. 5, pp. 4134–4143, Sept. 2022, doi: [10.1109/TSG.2022.3141414](https://doi.org/10.1109/TSG.2022.3141414).
- 2) Y. Wang, I. L. Bennani, X. Liu, M. Sun and Y. Zhou, “Electricity Consumer Characteristics Identification: A Federated Learning Approach,” *IEEE Transactions on Smart Grid*, vol. 12, no. 4, pp. 3637–3647, July 2021, doi: [10.1109/TSG.2021.3066577](https://doi.org/10.1109/TSG.2021.3066577).
- 3) X. Chen, G. Qu, Y. Tang, S. Low and N. Li, “Reinforcement Learning for Selective Key Applications in Power Systems: Recent Advances and Future Challenges,” *IEEE Transactions on Smart Grid*, vol. 13, no. 4, pp. 2935–2958, July 2022, doi: [10.1109/TSG.2022.3154718](https://doi.org/10.1109/TSG.2022.3154718).
- 4) A. S. Vijay, N. Parth, S. Doolla and M. C. Chandorkar, “An Adaptive Virtual Impedance Control for Improving Power Sharing Among Inverters in Islanded AC Microgrids,” *IEEE Transactions on Smart Grid*, vol. 12, no. 4, pp. 2991–3003, July 2021, doi: [10.1109/TSG.2021.3062391](https://doi.org/10.1109/TSG.2021.3062391).

- 5) M. H. Ullah and J.-D. Park, “Peer-to-Peer Energy Trading in Transactive Markets Considering Physical Network Constraints,” *IEEE Transactions on Smart Grid*, vol. 12, no. 4, pp. 3390–3403, July 2021, doi: [10.1109/TSG.2021.3063960](https://doi.org/10.1109/TSG.2021.3063960).

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¹The procedures and criteria for the selection of these recognitions can be found at https://ieeepes.org/wp-content/uploads/2023/01/TSG_Recognition_content_added_to_website_12-13-21.pdf.