

**Сведения об официальном оппоненте по диссертации на
соискание ученой степени кандидата технических наук
Поннимбадуге Перера Таринду Дилшан
«Анализ и оптимизация распределения ресурсов
беспроводных сетях для передачи информации энергии»**

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по специальности *05.12.13*

Учёное звание:

Академическое звание:

Основные публикации по профилю оппонируемой диссертации в рецензируемых научных изданиях, рекомендованных ВАК при Минобрнауки России, за последние 5 лет (не более 15 публикаций):

1. K. Singh, S. Biswas, M. -L. Ku and M. F. Flanagan, "Transceiver Design and Power Control for Full-Duplex Ultra-Reliable Low-Latency Communication Systems," in *IEEE Transactions on Wireless Communications*, doi: 10.1109/TWC.2021.3103861. (Q1, I.F. 7.016)
2. N. S. Perović, L. -N. Tran, M. D. Renzo and M. F. Flanagan, "Optimization of RIS-Aided MIMO Systems Via the Cutoff Rate," in *IEEE Wireless Communications Letters*, vol. 10, no. 8, pp. 1692-1696, Aug. 2021, doi: 10.1109/LWC.2021.3077579. (Q1, I.F.4.348)
3. V. Kumar, Z. Ding and M. F. Flanagan, "On the Performance of Downlink NOMA in Underlay Spectrum Sharing," in *IEEE Transactions on Vehicular Technology*, vol. 70, no. 5, pp. 4523-4540, May 2021, doi: 10.1109/TVT.2021.3069440. (Q1, I.F. 5.978)

4. C. Kundu and M. F. Flanagan, "Ergodic Secrecy Rate of Optimal Source Selection in a Multi-Source System With Unreliable Backhaul," in *IEEE Wireless Communications Letters*, vol. 10, no. 5, pp. 1118-1122, May 2021, doi: 10.1109/LWC.2021.3059341. (Q1, I.F. 4.348)
5. N. S. Perović, L. -N. Tran, M. Di Renzo and M. F. Flanagan, "Achievable Rate Optimization for MIMO Systems With Reconfigurable Intelligent Surfaces," in *IEEE Transactions on Wireless Communications*, vol. 20, no. 6, pp. 3865-3882, June 2021, doi: 10.1109/TWC.2021.3054121. (Q1, I.F. 7.016)
6. F. Garcia-Herrero, G. McGuire, M. F. Flanagan, A. Sánchez-Macián and J. A. Maestro, "Decoding Algorithm for Quadruple-Error-Correcting Reed-Solomon Codes and Its Derived Architectures," in *IEEE Transactions on Circuits and Systems II: Express Briefs*, vol. 68, no. 4, pp. 1438-1442, April 2021, doi: 10.1109/TCSII.2020.3038462. (Q1, I.F. 3.292)
7. K. Agrawal, M. F. Flanagan and S. Prakriya, "NOMA With Battery-Assisted Energy Harvesting Full-Duplex Relay," in *IEEE Transactions on Vehicular Technology*, vol. 69, no. 11, pp. 13952-13957, Nov. 2020, doi: 10.1109/TVT.2020.3021085. (Q1, I.F. 5.978)
8. V. Kumar, B. Cardiff, S. Prakriya and M. F. Flanagan, "Delay Violation Probability and Effective Rate of Downlink NOMA Over α - μ Fading Channels," in *IEEE Transactions on Vehicular Technology*, vol. 69, no. 10, pp. 11241-11252, Oct. 2020, doi: 10.1109/TVT.2020.3008646. (Q1, I.F. 5.978)
9. Y. Alghorani, A. S. Chekkouri, D. A. Chekired and S. Pierre, "Improved S-AF and S-DF Relaying Schemes Using Machine Learning Based Power Allocation Over Cascaded Rayleigh Fading Channels," in *IEEE Transactions on Intelligent Transportation Systems*, doi: 10.1109/TITS.2020.3003820. (Q1, I.F. 6.492)
10. M. Wang, F. Gao, N. Shlezinger, M. F. Flanagan and Y. C. Eldar, "A Block Sparsity Based Estimator for mmWave Massive MIMO Channels With Beam Squint," in *IEEE Transactions on Signal Processing*, vol. 68, pp. 49-64, 2020, doi: 10.1109/TSP.2019.2956677. (Q1, I.F. 4.931)
11. A. Salib, M. F. Flanagan and B. Cardiff, "Time-Skew Estimation for Random Sampling Sequence Time-Interleaved ADCs," in *IEEE Transactions on Circuits and Systems II: Express Briefs*, vol. 67, no. 10, pp. 1809-1813, Oct. 2020, doi: 10.1109/TCSII.2019.2956101. (Q1, I.F. 3.292)
12. A. Salib, M. F. Flanagan and B. Cardiff, "Time-Skew Estimation for Random Sampling Sequence Time-Interleaved ADCs," in *IEEE Transactions on Circuits and Systems II: Express Briefs*, vol. 67, no. 10, pp. 1809-1813, Oct. 2020, doi: 10.1109/TCSII.2019.2956101. (Q1, I.F. 3.292)
13. V. Kumar, B. Cardiff and M. F. Flanagan, "User-Antenna Selection for Physical-Layer Network Coding Based on Euclidean Distance," in *IEEE Transactions on Communications*, vol. 67, no. 5, pp. 3363-3375, May 2019, doi: 10.1109/TCOMM.2019.2893642. (Q1, I.F. 5.083)
14. A. Salib, M. F. Flanagan and B. Cardiff, "A Generic Foreground Calibration Algorithm For ADCs With Nonlinear Impairments," in *IEEE Transactions on Circuits and Systems I: Regular Papers*, vol. 66, no. 5, pp. 1874-1885, May 2019, doi: 10.1109/TCSI.2018.2870529. (Q1, I.F.3.605)
15. S. Narayanan, M. Shikh-Bahaei, J. Hou and M. F. Flanagan, "Wireless-Powered Distributed Spatial Modulation With Energy Recycling and Finite-Energy Storage," in *IEEE Transactions on Wireless Communications*, vol. 17, no. 10, pp. 6645-6662, Oct. 2018, doi: 10.1109/TWC.2018.2861870. (Q1, I.F. 7.016)

« 05/10/ 2021 г.

Подпись заверяется:

