

Chapter 7

List of Publications

Journals

- [1] **Rahul Sharma**, Sainath Bitragunta and Aparna M, “Time switching based, outage-constrained, energy harvesting and energy-efficient cooperative radio communication policy,” *IET Communications*, vol. 15, no. 7, pp. 980–999, Apr. 2021, <https://doi.org/10.1049/cmu2.12136>. (SCI-indexed)
- [2] **Rahul Sharma** and Sainath Bitragunta, “Optimal power adaptive decode-and-forward cooperative device-to-device communication policies,” *IET Communications*, vol. 14, no. 5, pp. 784–799, Mar. 2020, <https://doi.org/10.1049/iet-com.2019.0529>. (SCI-indexed)
- [3] **Rahul Sharma** and Sainath Bitragunta, “A probabilistic detect-and-forward relay selection policy for cooperative device-to-device wireless systems,” *Physical Communication*, vol. 34, pp. 210–219, Jun. 2019, <https://doi.org/10.1016/j.phycom.2019.04.001>. (SCI-indexed)

Conference Proceedings:

- [1] **Rahul Sharma** and Sainath Bitragunta, “Interference-Constrained Power Adaptive Decode-and-Forward Relaying Policy: Design and Performance Analysis,” *2020 IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS)*, New Delhi, pp. 1-6, Dec. 2020, <https://doi.org/10.1109/ANTS50601.2020.9342802>.
- [2] **Rahul Sharma** and Sainath Bitragunta, “A Comparative Error Performance Study of Power Adaptive Regenerative Relaying Policy, and Benchmark Relaying Policies,” *2020 IEEE 17th India Council International Conference (INDICON)*, New Delhi, pp. 1-6, Dec. 2020, <https://doi.org/10.1109/INDICON49873.2020.9342075>.
- [3] **Rahul Sharma** and Sainath Bitragunta, “Power Constrained, Power Adaptive, Decode and Forward Relay Selection Policy Design and Performance Analysis,” *2018 IEEE International Conference on Advanced Networks*

and Telecommunications Systems (ANTS), Indore, pp. 1-6, Dec. 2018,
<https://doi.org/10.1109/ANTS.2018.8710098>.

Manuscript Under Review:

- **Rahul Sharma** and Sainath Bitragunta, “Time switching based, interference-constrained, energy harvesting and power-adaptive cooperative spectrum sharing communication policy,” *Under Review in IEEE Transactions on Wireless Communications*.