Energy Harvesting-II Sub-Project (Prof. S. Dharmraja)

List of Representative Publications

Recent Refereed SCI and SCI Expanded Journal Papers

1. **Process with Recurrence Time and its Application**, *Financial Innovation*.7, Article number: 37 (2021) (https://doi.org/10.1186/s40854-021-00255-z) (Q1 in SJR citation index)

2. Nitu Sharma, Puneet Pasricha **S. Dharmaraja**: **Valuation Of Equity-Indexed Annuities Under Correlated Jump-Diffusion Processes**, *Journal of Computational and Applied Mathematics*, 395, October 2021, 113575. (https://doi.org/10.1016/j.cam.2021.113575) (Q2 in SJR citation index)

3. Gautam Choudhaury, Priyanka Kalita and **S. Dharmaraja**: **Analysis of a model of batch arrival single server queue with random vacation policy**, *Communications in Statistics – Theory and Methods*, 50(22) (2021) pp. 5314–5357. (https://doi.org/10.1080/03610926.2020.1728329)

4. Guglielmo D'Amico, Raimondo Manca, Filippo Petroni and **S. Dharmaraja**: **On the computation of some interval reliability indicators for semi-Markov systems**, *Mathematics*, 9(5) (2021) 575, 23 pages. (https://doi.org/10.3390/math9050575)

Refereed SCI and SCI Expanded Journal Papers

5. Anupam, Gautam Choudhaury and **S. Dharmaraja**: **Performance analysis of DRX mechanism using batch arrival vacation queueing system with N-policy in LTE-A networks**, *Annals of Telecommunications*, 75 (2020) pp. 353–367. (Full Paper) (Q2 in SJR citation index)

6. Puneet Pasricha, **S. Dharmaraja**, Guglielmo D'Amico and Raimondo Manca: **Portfolio Optimization of Credit Risky Bonds: A Semi-Markov Process Approach**, *Financial Innovation*, 6, (2020), 14 pages. (Full Paper) (Q1 in SJR citation index)

7. Garima Mishra, Anupam, **S. Dharmaraja** and Subrat Kar: **Signaling Packet Aggregation and Compression in SIP Network: Modeling and Performance Evaluation**, *Wireless Personal Communications*, 110 (2020) pp. 651–676. (Full Paper)

8. S. Ramakrishnan, Subrat Kar and **S. Dharmaraja**: **Analysis of energy efficiency in cloud based heterogeneous RAN with large-scale antenna systems**, *Computer Networks*, 149 (2019) pp. 265–276. ([Full paper)](#) (Q1 in SJR citation index)

9. S. Ramakrishnan, Subrat Kar and **S. Dharmaraja**: **Analysis of Traffic Offload using Multi Attribute Decision Making Technique in Heterogeneous Shared Networks**, *IET Networks*, 8 (2019) pp. 256 - 263. ([Full paper](#))

10. Anupam and **S. Dharmaraja**: **Selection of DRX Scheme for Voice Traffic in LTE-A Networks: Markov Modeling and Performance Analysis**, *Journal of Industrial and Management Optimization (JIMO)*, 15 (2019) pp 739 - 756. ([Full paper)](#) (Q2 in SJR citation index)

11. Anupam and **S. Dharmaraja**: **An analytical model driven by fluid queue for battery life time of an user equipment in LTE-A networks**, *Physical Communication*, 30 (2018) pp. 213 - 219. ([Full paper)](#) (Q2 in SJR citation index)