



MANAV RACHNA UNIVERSITY, FARIDABAD

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LOKESH BHARDWAJ



Designation : Assistant Professor

Qualifications : Ph.D.(P) (Wireless Communication)

Contact Detail : Department of Electronics and Communication Engineering, Faridabad

Email : lokesh@mru.edu.in

Experience : 11 years

https://scholar.google.com/citations?view_op=new_articles&hl=en&imq=LOKESH+BHARDWAJ#

Research Interest: Massive MIMO, NOMA

+ Journal Publication Details:

Bhardwaj, Lokesh & Mishra, Ritesh & Shankar, Ravi. (2021). Sum rate capacity of non-orthogonal multiple access scheme with optimal power allocation. The Journal of Defense Modeling and Simulation: Applications, Methodology, Technology. doi: 10.1177/1548512920983531.

Bhardwaj, Lokesh & Mishra, Ritesh. (2020). Mitigating the Interference Caused by Pilot Contamination in Multi-cell Massive Multiple Input Multiple Output Systems Using Low Density Parity Check Codes in Uplink Scenario. Traitement du Signal. 37. 10.18280/ts.370619.

Bhardwaj, Lokesh & Mishra, Ritesh & Shankar, Ravi. (2020). Investigation of low-density parity check code concatenated multi-user massive multiple-input multiple-output systems with imperfect channel state information. The Journal of Defense Modeling & Simulation. doi: 10.1177/1548512920968639.

+ Conference Details:

L. Bhardwaj, R. K. Mishra and R. Shankar, "Examination of Outage probability for Next generation Non Orthogonal Multiple Access Scheme in Uplink and Downlink Scenario," 2019 IEEE International Symposium on Signal Processing and Information Technology (ISSPIT), 2019, pp. 1-5, doi: 10.1109/ISSPIT47144.2019.9001883.

Lokesh Bhardwaj and Surbhi Sharma, "Highly convergent and optimized LDPC decoding by semi-serial C scheduling and OSD-BP algorithm," Proceeding in NCCN conference, SLIET Longowal, Jan 2010.

+ Research Supervised:

Shavel Gupta, Lokesh Bhardwaj, Anand Singh Rajpoot, "Comparison of BER performance & capacity analysis of MIMO system with STBC & MRC to improve link performance in fading environment",

International Journal of scientific engineering and applied sciencve, Vol. 2, I Issue 5, May 2016.

+ Administrative Responsibilities:

“Coordinator of II Shift in MRCE 2011-2012”

“Member of admission cell”

“worked as Superintendent in Examination cell”